



Petia Ivanova Radeva

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Resume - Prof. Petia Radeva is a Full professor at the Universitat de Barcelona (UB), Head of the Consolidated Research Group 'Artificial Intelligence and Biomedical Applications (AIBA)' at the University of Barcelona composed of 7 Senior reserachers and >30 postdoc and predoc researchers in the field of Computer Vision and Machine/Deep learning field. She was PI of UB in 9 European, 3 international and more than 30 national projects devoted to applying Computer Vision and Machine learning for real problems like food intake monitoring (e.g. for patients with kidney transplants and for older people). She is a Research Manager of the State Agency of Research (Agencia Estatal de Investigación, AEI) of the Ministry of Science and Innovation of Spain. She is an Associate editor in Chief of Pattern Recognition journal (Q1, IP=7.196) and International Journal of Visual Communication and Image Representation (Q2, IP=3.13). She supervised 24 PhD students and published >120 SCI journal publications and 250 international chapters and proceedings, her Google scholar h-index is 53 with more than 11100 cites. Last 5 years she led 28 scientific projects and 12 technology transfers. Internationalization: Cross-reader of PathFinder-EU 2021, 2022, Vice-chair of the REA-FET-OPEN-2015,16,17,18,19,20-RIA call. She was member of the evaluation commission of 'Wild cards' of the European Network EIT Health (2018-2020), Novo Nordisk Foundation (2022), NCMM-Norway (2022) and International evaluation commission of FCT - Portugal (2018-2022). Leader of technology transfers to the American company Boston Sci - 4 research programs, 3 technology transfers and 4 international patents. Technology transfer: Leader of 7 projects with the Israelian company GivenImaging (today, Medtronic) - 3 technology transfers on small intestinal motility diagnostic through analysis of images acquired by wireless capsules. This work led to 22 international patents. Organization of scientific events: She is very active in organizing international scientific events, some of them are: - Computer Vision, Multimedia & Artificial Intelligence: Local area chair of ICCV'2023, Track chair of ICPR'2024, Local area chair of WACV'2024, Local area chair of CVPR'2022, Local area chair of ECCV'2022, Chair of VISAPP'2020, Demo chair ICMR'2020, Track Chair ICIAR'2020, Tutorial chair of ICMB'2020, Chair of ICMV'18, ICMV'17, ICMV'16, Local area chair: ACM MM'2020, CVPR'2015, ICPR'2016, Area chair CAPEIA'2020; etc. - Egocentric vision workshops (chair): 25th Int. Conference MMM'2019, (organizer), Workshop on 'Lifelogging Tools and Applications (LTA)', ACM Multimedia, Amsterdam, 2016, 2nd Workshop LTA, ACM Multimedia 2017, 1st Social Signals & Beyond Workshop, ICIAP '2017, - Medical imaging workshops (chair): CVII-STENT 2011, 2012, 2013, 2014, etc. Plenary and invited talks in numerous international conferences like: - S+SSPR Workshop, ICPR 2022, LatinX in AI Workshop, CVPR 2022, Biostec'2020; etc. belongs to the top 2% of the World ranking of scientists with the major impact in the field of TIC according to the citations indicators of the popular ranking of Stanford. Also, she was selected in the first 6% of the ranking of Spanish and foreign most cited female researchers from any field according to the Ranking of CSIC: <https://lnkd.in/djx2Yz5p>. Moreover, she was awarded IAPR Fellow since 2015, ICREA Academia'2015 and ICREA Academia'2022 assigned to the 30 best scientists in Catalonia for her scientific merits, received several international and national awards ("Aurora Pons Porrata" of CIARP, Prize "Antonio Caparrós" for the best technology transfer at UB, etc).



General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

General indicators on the scientific quality - Petia Radeva has received 3 scientific and 1 technology transfer acreditations. The last one covers years 2016-2021 and was approved in 2022. She supervised 24 PhD thesis, last 10 years she supervised 10 PhD thesis. According to Google Academic, her h-index is 53 and i10 index - 240 (https://scholar.google.com/citations?user=p_MCjd4AAAAJ&hl=ca). The number of cites in total are: >11100. She have more than 100 journal publications with impact factor (<https://dblp.uni-trier.de/pers/hd/r/Radeva:Petia>) from which 30 journals correspond to last 5 years.



Petia Ivanova Radeva

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Name: **Petia**
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ORCID: **0000-0003-0047-5172**
ScopusID: **56208405900**
ResearcherID: **I-3385-2015**
Date of birth: **06/10/1965**
Gender: **Female**
Nationality: **Bulgaria**
Country of birth: **Bulgaria**
City of birth: **No informada (No codified)**
Contact address: **Dept of Mathematics and Computer Science, Faculty of Mathematics and Computer Science, Universitat de Barcelona, Gran Via de les Corts Catalanes, 585**
Postcode: **08007**
Contact country: **Spain**
Contact city: **BARCELONA**
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Personal web page: **www.ub.edu/cvub/petiaradeva**

Current professional situation

Employing entity: Universitat de Barcelona
Department: Faculty of Mathematics and Computer Science, Department of Mathematics and Computer Science
Professional category: Professor
City employing entity: BARCELONA, Spain
Phone: 934020852 **Email:** petia.ivanova@ub.edu
Start date: 07/11/2018
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 120317 - Informatics

Previous positions and activities

	Employing entity	Professional category	Start date
1	UB	Computer Science Study Director, University of Barcelona, UB-2008 (Computer Science Manager of Computer Science study, University of Barcelona, 2008-2012)	01/06/2008
2	UAB	Responsable for the implementation of the Computer Science Transformation according to the Bologna project ETSE	2005

	Employing entity	Professional category	Start date
3	UAB	Erasmus responsable in Computer Science Department, UAB	2005
4	UPIIA, Dept. Informàtica, Universitat Autònoma de Barcelona	Profesora agregada (Postdoc research and academic position)	15/12/2004
5	UAB	Responsable of laboratorium time schedule UPIIA, UAB	2002
6	UAB	Responsable of Computer Science Department in Academic Comission, UAB	2001
7	UPIIA, Dept. Informàtica, Universitat Autònoma de Barcelona	Visiting professor	15/09/1995
8	IIIA-CSIC	Fellow FPI	15/09/1993
9	UPIIA, Dept. Informàtica, Universitat Autònoma de Barcelona	Teaching assistant	01/09/1991

1 Employing entity: UB

Professional category: Computer Science Study Director, University of Barcelona, UB-2008 (Computer Science Manager of Computer Science study, University of Barcelona, 2008-2012)
Start date: 01/06/2008 **Duration:** 4 years

2 Employing entity: UAB

Professional category: Responsable for the implementation of the Computer Science Transformation according to the Bologna project ETSE
Start date: 2005 **Duration:** 11 months - 30 days

3 Employing entity: UAB

Professional category: Erasmus responsable in Computer Science Department, UAB
Start date: 2005 **Duration:** 11 months - 30 days

4 Employing entity: UPIIA, Dept. Informàtica, Universitat Autònoma de Barcelona

Professional category: Profesora agregada (Postdoc research and academic position)
Start date: 15/12/2004 **Duration:** 2 years - 5 months - 12 days

5 Employing entity: UAB

Professional category: Responsable of laboratorium time schedule UPIIA, UAB
Start date: 2002 **Duration:** 3 years - 11 months - 30 days

6 Employing entity: UAB

Professional category: Responsable of Computer Science Department in Academic Comission, UAB
Start date: 2001 **Duration:** 4 years - 11 months - 30 days

7 Employing entity: UPIIA, Dept. Informàtica, Universitat Autònoma de Barcelona

Professional category: Visiting professor
Start date: 15/09/1995 **Duration:** 9 years - 2 months - 29 days



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|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 8 | Employing entity: IIIA-CSIC
Professional category: Fellow FPI
Start date: 15/09/1993 | Duration: 1 year - 11 months - 30 days |
| 9 | Employing entity: UPIIA, Dept. Informática, Universitat Autònoma de Barcelona
Professional category: Teaching assistant
Start date: 01/09/1991 | Duration: 2 years - 13 days |



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

- 1 University degree:** Diploma / Degree / Activities
Name of qualification: Applications of Snakes to Analysis of Medical Images
City degree awarding entity: Spain
Degree awarding entity: UAB
Date of qualification: 25/11/1993
Average mark: Outstanding
- 2 University degree:** Diploma / Degree / Activities
Name of qualification: Mathematics
Degree awarding entity: Universidad de Sofía (Bulgaria)
Date of qualification: 1988

Doctorates

Doctorate programme: Model-based Deformable Shapes for Segmentation, Registration and Tracking
Degree awarding entity: Universidad Autónoma de Barcelona (España) **Type of entity:** University
City degree awarding entity: Spain
Date of degree: 19/07/1996

Attended advanced, improvement and innovative teacher training and new technology courses and seminars focused on improving teaching

Title of course/seminar: Durant el primer semestre, organitzem una activitat d'innovació docent amb els alumnes de l'assignatura de Visió Artificial on els alumnes han de explorar i estudiar un projecte relacionats amb una aplicació real de la Visió Artificial. Els alumnes han de preparar un informe que mostri el context i la importància del problema, la solució per l'empresa, la relació amb l'assignatura i possibles extensions. Durant les últimes dues setmanes els alumnes fan una presentació dels miniprojectes davant els seus companys i discuteixen les oportunitats professionals.

Start-End date: 10/2018 - 12/2018

Length: 2 months - 30 days



Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C1	C2	C1	C1	C1
Bulgarian	C2	C2	C2	C2	C2
Spanish	C2	C2	C2	C2	C2
Catalan	C1	C1	B2	B2	B2
Russian	B1	B1	B1	B1	B1

Teaching experience

General teaching experience

- 1** **Type of teaching:** Official teaching
Name of the course: Tècniques i Anàlisis en Imatge Mèdica
Type of programme: Master's degree
Type of subject: Optional
University degree: Enginyeria Biomèdica
Start date: 03/2023
End date: 06/2023
Hours/ECTS credits: 5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English
Type of teaching: In person theory
End date: 06/2023
Type of hours/ ECTS credits: Credits
- 2** **Type of teaching:** Official teaching
Name of the course: Factors Humans i Computació
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: Third
Start date: 03/2023
End date: 06/2023
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Spanish
Type of teaching: In person theory
End date: 06/2023
Type of hours/ ECTS credits: Credits
- 3** **Type of teaching:** Official teaching
Name of the course: Dietes Personalitzades
Type of programme: Master's degree
Type of subject: Optional
University degree: Innovació i Emprenedoria en Nutrició, Malalties Cròniques i Envel·liment Saludable
Start date: 03/2023
End date: 06/2023
Hours/ECTS credits: 3
Type of teaching: In person theory
End date: 06/2023
Type of hours/ ECTS credits: Credits



Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan

4 **Type of teaching:** Official teaching
Name of the course: Visió Artificial
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: Third
Start date: 09/2022
End date: 02/2023
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan

Type of teaching: In person theory

End date: 02/2023

Type of hours/ ECTS credits: Credits

5 **Type of teaching:** Official teaching
Name of the course: Programació I
Type of programme: Bachelor's degree
Type of subject: Formació bàsica
University degree: Ingeniería Informática
Course given: First
Start date: 09/2022
End date: 02/2023
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: In person theory

End date: 02/2023

Type of hours/ ECTS credits: Credits

6 **Type of teaching:** Official teaching
Name of the course: Visió per Computador
Type of programme: Master's degree
Type of subject: Obligatory
University degree: Inteligencia Artificial
Start date: 09/2022
End date: 02/2023
Hours/ECTS credits: 5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English

Type of teaching: In person theory

End date: 02/2023

Type of hours/ ECTS credits: Credits

7 **Type of teaching:** Official teaching
Name of the course: Tècniques i Anàlisis en Imatge Mèdica
Type of programme: Master's degree
Type of subject: Optional
University degree: Enginyeria Biomèdica
Start date: 03/2022
End date: 06/2022
Hours/ECTS credits: 5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: In person theory

End date: 06/2022

Type of hours/ ECTS credits: Credits



Subject language: English

8 Type of teaching: Official teaching

Name of the course: Programació II

Type of programme: Bachelor's degree

Type of subject: Obligatory

University degree: Ingeniería Informática

Course given: First

Start date: 03/2022

End date: 06/2022

Hours/ECTS credits: 6

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Type of teaching: In person theory

End date: 06/2022

Type of hours/ ECTS credits: Credits

9 Type of teaching: Official teaching

Name of the course: Dietes Personalitzades

Type of programme: Master's degree

Type of subject: Optional

University degree: Innovació i Emprenedoria en Nutrició, Malalties Cròniques i Envel·liment Saludable

Start date: 03/2022

End date: 06/2022

Hours/ECTS credits: 3

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Subject language: Catalan

Type of teaching: In person theory

End date: 06/2022

Type of hours/ ECTS credits: Credits

10 Type of teaching: Official teaching

Name of the course: Visió Artificial

Type of programme: Bachelor's degree

Type of subject: Obligatory

University degree: Ingeniería Informática

Course given: Third

Start date: 09/2021

End date: 02/2022

Hours/ECTS credits: 6

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Subject language: Spanish

Type of teaching: In person theory

End date: 02/2022

Type of hours/ ECTS credits: Credits

11 Type of teaching: Official teaching

Name of the course: Programació I

Type of programme: Bachelor's degree

Type of subject: Formació bàsica

University degree: Ingeniería Informática

Course given: First

Start date: 09/2021

End date: 02/2022

Hours/ECTS credits: 6

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Type of teaching: In person theory

End date: 02/2022

Type of hours/ ECTS credits: Credits



- 12** **Type of teaching:** Official teaching
Name of the course: Algorísmica
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: First
Start date: 09/2021
End date: 02/2022
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan
- Type of teaching:** In person theory
- End date:** 02/2022
Type of hours/ ECTS credits: Credits
- 13** **Type of teaching:** Official teaching
Name of the course: Visió per Computador
Type of programme: Master's degree
Type of subject: Obligatory
University degree: Inteligencia Artificial
Start date: 09/2021
End date: 02/2022
Hours/ECTS credits: 5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English
- Type of teaching:** In person theory
- End date:** 02/2022
Type of hours/ ECTS credits: Credits
- 14** **Type of teaching:** Official teaching
Name of the course: Tècniques i Anàlisis en Imatge Mèdica
Type of programme: Master's degree
Type of subject: Optional
University degree: Enginyeria Biomèdica
Start date: 03/2021
End date: 06/2021
Hours/ECTS credits: 5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English
- Type of teaching:** In person theory
- End date:** 06/2021
Type of hours/ ECTS credits: Credits
- 15** **Type of teaching:** Official teaching
Name of the course: Programació II
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: First
Start date: 03/2021
End date: 06/2021
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
- Type of teaching:** In person theory
- End date:** 06/2021
Type of hours/ ECTS credits: Credits



- 16** **Type of teaching:** Official teaching
Name of the course: Visió Artificial
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: Third
Start date: 09/2020
End date: 02/2021
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan
Type of teaching: In person theory
End date: 02/2021
Type of hours/ ECTS credits: Credits
- 17** **Type of teaching:** Official teaching
Name of the course: Programació I
Type of programme: Bachelor's degree
Type of subject: Formació bàsica
University degree: Ingeniería Informática
Course given: First
Start date: 09/2020
End date: 02/2021
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Type of teaching: In person theory
End date: 02/2021
Type of hours/ ECTS credits: Credits
- 18** **Type of teaching:** Official teaching
Name of the course: Visió per Computador
Type of programme: Master's degree
Type of subject: Obligatory
University degree: Inteligencia Artificial
Start date: 09/2020
End date: 02/2021
Hours/ECTS credits: 5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Type of teaching: In person theory
End date: 02/2021
Type of hours/ ECTS credits: Credits
- 19** **Type of teaching:** Official teaching
Name of the course: Imatge Mèdica Avançada
Type of programme: Master's degree
Type of subject: Optional
University degree: Enginyeria Biomèdica
Start date: 03/2020
End date: 06/2020
Hours/ECTS credits: 2,5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English
Type of teaching: In person theory
End date: 06/2020
Type of hours/ ECTS credits: Credits
- 20** **Type of teaching:** Official teaching
Name of the course: Visió Artificial
Type of programme: Bachelor's degree
Type of teaching: In person theory



Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: Third
Start date: 09/2019
End date: 02/2020
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

End date: 02/2020
Type of hours/ ECTS credits: Credits

21 Type of teaching: Official teaching
Name of the course: Visió per Computador
Type of programme: Master's degree
Type of subject: Obligatory
University degree: Inteligencia Artificial
Start date: 09/2019
End date: 02/2020
Hours/ECTS credits: 5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: In person theory

End date: 02/2020
Type of hours/ ECTS credits: Credits

22 Type of teaching: Official teaching
Name of the course: Equacions Algebraiques
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Matemáticas
Course given: Third
Start date: 09/2019
End date: 02/2020
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan

Type of teaching: In person theory

End date: 02/2020
Type of hours/ ECTS credits: Credits

23 Type of teaching: Official teaching
Name of the course: Imatge Mèdica Avançada
Type of programme: Master's degree
Type of subject: Optional
University degree: Enginyeria Biomèdica
Start date: 03/2019
End date: 06/2019
Hours/ECTS credits: 2,5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English

Type of teaching: In person theory

End date: 06/2019
Type of hours/ ECTS credits: Credits

24 Type of teaching: Official teaching
Name of the course: Probabilitats i Estadística
Type of programme: Bachelor's degree
Type of subject: Formació bàsica
University degree: Ingeniería Informática
Start date: 03/2019

Type of teaching: In person theory

End date: 06/2019



End date: 06/2019

Hours/ECTS credits: 6

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Type of hours/ ECTS credits: Credits

25 Type of teaching: Official teaching

Name of the course: Visió Artificial

Type of programme: Bachelor's degree

Type of subject: Obligatory

University degree: Ingeniería Informática

Course given: Third

Start date: 09/2018

End date: 02/2019

Hours/ECTS credits: 6

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Subject language: Spanish

Type of teaching: In person theory

End date: 02/2019

Type of hours/ ECTS credits: Credits

26 Type of teaching: Official teaching

Name of the course: Visió per Computador

Type of programme: Master's degree

Type of subject: Obligatory

University degree: Inteligencia Artificial

Start date: 09/2018

End date: 02/2019

Hours/ECTS credits: 5

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Type of teaching: In person theory

End date: 02/2019

Type of hours/ ECTS credits: Credits

27 Type of teaching: Official teaching

Name of the course: Machine learning dintre del BioHealth Computing School. L'objectiu és comentar com impartir una docència de qualitat pels estudiants que volen aprendre Aprenentatge automàtic. Es comenta l'experiència d'innovació docent a la Universitat de Barcelona i es mostra a la pràctica els problemes i les aplicacions de l'assignatura.

Type of programme: Master's degree

Type of subject: Obligatory

University degree: ESI-ARCHAMPS

Start date: 06/07/2018

End date: 06/07/2018

Entity: ESI - European Scientific Institute

City of entity: Geneve, Switzerland

End date: 06/07/2018

28 Type of teaching: Official teaching

Name of the course: Imatge Mèdica Avançada

Type of programme: Master's degree

Type of subject: Optional

University degree: Enginyeria Biomèdica

Start date: 03/2018

End date: 06/2018

Hours/ECTS credits: 2,5

Entity: Universidad de Barcelona

Type of teaching: In person theory

End date: 06/2018

Type of hours/ ECTS credits: Credits



City of entity: Barcelona, Spain
Subject language: English

29 **Type of teaching:** Official teaching
Name of the course: Topologia i Geometria Global de Superfícies
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Matemáticas
Course given: Third
Start date: 03/2018
End date: 06/2018
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan

Type of teaching: In person theory

End date: 06/2018

Type of hours/ ECTS credits: Credits

30 **Type of teaching:** Official teaching
Name of the course: Visió Artificial
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: Third
Start date: 09/2017
End date: 02/2018
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: In person theory

End date: 02/2018

Type of hours/ ECTS credits: Credits

31 **Type of teaching:** Official teaching
Name of the course: Programació I
Type of programme: Bachelor's degree
Type of subject: Formació bàsica
University degree: Ingeniería Informática
Course given: First
Start date: 09/2017
End date: 02/2018
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: In person theory

End date: 02/2018

Type of hours/ ECTS credits: Credits

32 **Type of teaching:** Official teaching
Name of the course: Visió per Computador
Type of programme: Master's degree
Type of subject: Obligatory
University degree: Inteligencia Artificial
Start date: 09/2017
End date: 02/2018
Hours/ECTS credits: 5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: In person theory

End date: 02/2018

Type of hours/ ECTS credits: Credits



33 **Type of teaching:** Official teaching
Name of the course: Imatge Mèdica Avançada
Type of programme: Master's degree
Type of subject: Optional
University degree: Enginyeria Biomèdica
Start date: 03/2017
End date: 06/2017
Hours/ECTS credits: 2,5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English

Type of teaching: In person theory

End date: 06/2017

Type of hours/ ECTS credits: Credits

34 **Type of teaching:** Official teaching
Name of the course: Visió Artificial
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: Third
Start date: 09/2016
End date: 02/2017
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: In person theory

End date: 02/2017

Type of hours/ ECTS credits: Credits

35 **Type of teaching:** Official teaching
Name of the course: Visió per Computador
Type of programme: Master's degree
Type of subject: Obligatory
University degree: Inteligencia Artificial
Start date: 09/2016
End date: 02/2017
Hours/ECTS credits: 5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English

Type of teaching: In person theory

End date: 02/2017

Type of hours/ ECTS credits: Credits

36 **Type of teaching:** Official teaching
Name of the course: Anàlisi de Dades i Introducció a la Probabilitat
Type of programme: Bachelor's degree
Type of subject: Formació bàsica
University degree: Matemáticas
Start date: 09/2016
End date: 02/2017
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: In person theory

End date: 02/2017

Type of hours/ ECTS credits: Credits

37 **Type of teaching:** Official teaching
Name of the course: Imatge Mèdica Avançada
Type of programme: Master's degree
Type of subject: Optional

Type of teaching: In person theory



University degree: Enginyeria Biomèdica
Start date: 03/2016
End date: 06/2016
Hours/ECTS credits: 2,5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English

End date: 06/2016
Type of hours/ ECTS credits: Credits

38 **Type of teaching:** Official teaching
Name of the course: Visió Artificial
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingenieria Informatica
Course given: Third
Start date: 09/2015
End date: 02/2016
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: In person theory

End date: 02/2016
Type of hours/ ECTS credits: Credits

39 **Type of teaching:** Official teaching
Name of the course: Visió per Computador
Type of programme: Master's degree
Type of subject: Obligatory
University degree: Inteligencia Artificial
Start date: 09/2015
End date: 02/2016
Hours/ECTS credits: 5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English

Type of teaching: In person theory

End date: 02/2016
Type of hours/ ECTS credits: Credits

40 **Type of teaching:** Official teaching
Name of the course: Imatge Mèdica Avançada
Type of programme: Master's degree
Type of subject: Optional
University degree: Enginyeria Biomèdica
Start date: 03/2015
End date: 06/2015
Hours/ECTS credits: 2,5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English

Type of teaching: In person theory

End date: 06/2015
Type of hours/ ECTS credits: Credits

41 **Type of teaching:** Official teaching
Name of the course: Estructura de Dades
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingenieria Informatica
Course given: First
Start date: 03/2015

Type of teaching: In person theory

End date: 06/2015

**End date:** 06/2015**Hours/ECTS credits:** 6**Entity:** Universidad de Barcelona**City of entity:** Barcelona, Spain**Subject language:** Spanish**Type of hours/ ECTS credits:** Credits**42 Type of teaching:** Official teaching**Name of the course:** Aprenentatge, Percepció i Reconeixement**Type of programme:** Master's degree**Type of subject:** Optional**University degree:** Inteligencia Artificial**Start date:** 03/2015**End date:** 06/2015**Hours/ECTS credits:** 4**Entity:** Universidad de Barcelona**City of entity:** Barcelona, Spain**Subject language:** Catalan**Type of teaching:** In person theory**End date:** 06/2015**Type of hours/ ECTS credits:** Credits**43 Type of teaching:** Official teaching**Name of the course:** Biosistemes i Nanobioenginyeria**Type of programme:** Master's degree**Type of subject:** Obligatory**University degree:** Enginyeria Biomèdica**Start date:** 09/2014**End date:** 02/2015**Hours/ECTS credits:** 5**Entity:** Universidad de Barcelona**City of entity:** Barcelona, Spain**Subject language:** English**Type of teaching:** In person theory**End date:** 02/2015**Type of hours/ ECTS credits:** Credits**44 Type of teaching:** Official teaching**Name of the course:** Visió Artificial**Type of programme:** Bachelor's degree**Type of subject:** Obligatory**University degree:** Ingeniería Informática**Course given:** Third**Start date:** 09/2014**End date:** 02/2015**Hours/ECTS credits:** 6**Entity:** Universidad de Barcelona**City of entity:** Barcelona, Spain**Type of teaching:** In person theory**End date:** 02/2015**Type of hours/ ECTS credits:** Credits**45 Type of teaching:** Official teaching**Name of the course:** Visió per Computador**Type of programme:** Master's degree**Type of subject:** Obligatory**University degree:** Inteligencia Artificial**Start date:** 09/2014**End date:** 02/2015**Hours/ECTS credits:** 5**Entity:** Universidad de Barcelona**Type of teaching:** In person theory**End date:** 02/2015**Type of hours/ ECTS credits:** Credits



City of entity: Barcelona, Spain

46 Type of teaching: Official teaching

Name of the course: Projecte Final d'Estudis en Enginyeria Biomèdica

Type of programme: Master's degree

Type of subject: Obligatory

University degree: Ingeniería Biomédica

Start date: 03/2014

End date: 06/2014

Hours/ECTS credits: 28

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Type of teaching: Others

End date: 06/2014

Type of hours/ ECTS credits: Credits

47 Type of teaching: Official teaching

Name of the course: Estructura de Dades

Type of programme: Bachelor's degree

Type of subject: Obligatory

University degree: Ingeniería Informática

Course given: First

Start date: 03/2014

End date: 06/2014

Hours/ECTS credits: 6

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Subject language: Spanish

Type of teaching: In person theory

End date: 06/2014

Type of hours/ ECTS credits: Credits

48 Type of teaching: Official teaching

Name of the course: Pràctiques en Empreses I

Type of programme: Bachelor's degree

Type of subject: Pràctiques

University degree: Ingeniería Informática

Start date: 03/2014

End date: 06/2014

Hours/ECTS credits: 6

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Type of teaching: Others

End date: 06/2014

Type of hours/ ECTS credits: Credits

49 Type of teaching: Official teaching

Name of the course: Pràctiques en Empreses II

Type of programme: Bachelor's degree

Type of subject: Pràctiques

University degree: Ingeniería Informática

Start date: 09/2013

End date: 02/2014

Hours/ECTS credits: 6

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Type of teaching: Others

End date: 02/2014

Type of hours/ ECTS credits: Credits

50 Type of teaching: Official teaching

Name of the course: Visió Artificial

Type of programme: Bachelor's degree

Type of teaching: In person theory



Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: Third
Start date: 09/2013
End date: 02/2014
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

End date: 02/2014
Type of hours/ ECTS credits: Credits

51 **Type of teaching:** Official teaching
Name of the course: Pràctiques en Empreses III
Type of programme: Bachelor's degree
Type of subject: Pràctiques
University degree: Ingeniería Informática
Start date: 09/2013
End date: 02/2014
Hours/ECTS credits: 12
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: Others

End date: 02/2014
Type of hours/ ECTS credits: Credits

52 **Type of teaching:** Official teaching
Name of the course: Visió per Computador
Type of programme: Master's degree
Type of subject: Obligatory
University degree: Inteligencia Artificial
Start date: 09/2013
End date: 02/2014
Hours/ECTS credits: 5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: In person theory

End date: 02/2014
Type of hours/ ECTS credits: Credits

53 **Type of teaching:** Official teaching
Name of the course: Estructura de Dades
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: First
Start date: 03/2013
End date: 06/2013
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Spanish

Type of teaching: In person theory

End date: 06/2013
Type of hours/ ECTS credits: Credits

54 **Type of teaching:** Official teaching
Name of the course: Visió Artificial
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: Third
Start date: 09/2012

Type of teaching: In person theory

End date: 02/2013

**End date:** 02/2013**Hours/ECTS credits:** 6**Entity:** Universidad de Barcelona**City of entity:** Barcelona, Spain**Subject language:** Spanish**Type of hours/ ECTS credits:** Credits

55 **Type of teaching:** Official teaching
Name of the course: Visió per Computador
Type of programme: Master's degree
Type of subject: Obligatory
University degree: Inteligencia Artificial
Start date: 09/2012
End date: 02/2013
Hours/ECTS credits: 5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English

Type of teaching: In person theory**End date:** 02/2013**Type of hours/ ECTS credits:** Credits

56 **Type of teaching:** Official teaching
Name of the course: Estructura de Dades
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: First
Start date: 03/2012
End date: 06/2012
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Spanish

Type of teaching: In person theory**End date:** 06/2012**Type of hours/ ECTS credits:** Credits

57 **Type of teaching:** Official teaching
Name of the course: Reconeixement de Persones i Objectes
Type of programme: Master's degree
Type of subject: Obligatory
University degree: Inteligencia Artificial
Start date: 03/2012
End date: 06/2012
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English

Type of teaching: In person theory**End date:** 06/2012**Type of hours/ ECTS credits:** Credits

58 **Type of teaching:** Official teaching
Name of the course: Estructura de Dades
Type of programme: Technical engineering
Type of subject: Optional
University degree: Informática de Sistemas
Start date: 09/2011
End date: 02/2012
Hours/ECTS credits: 6

Type of teaching: In person theory**End date:** 02/2012**Type of hours/ ECTS credits:** Credits



Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

59 **Type of teaching:** Official teaching
Name of the course: Pràctiques en Empreses II
Type of programme: Bachelor's degree
Type of subject: Pràctiques
University degree: Ingenieria Informatica
Start date: 09/2011
End date: 02/2012
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: Others

End date: 02/2012

Type of hours/ ECTS credits: Credits

60 **Type of teaching:** Official teaching
Name of the course: Visió Artificial
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingenieria Informatica
Course given: Third
Start date: 09/2011
End date: 02/2012
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Spanish

Type of teaching: In person theory

End date: 02/2012

Type of hours/ ECTS credits: Credits

61 **Type of teaching:** Official teaching
Name of the course: Pràctiques en Empreses III
Type of programme: Bachelor's degree
Type of subject: Pràctiques
University degree: Ingenieria Informatica
Start date: 09/2011
End date: 02/2012
Hours/ECTS credits: 12
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: Others

End date: 02/2012

Type of hours/ ECTS credits: Credits

62 **Type of teaching:** Official teaching
Name of the course: Pràctiques en Empreses I
Type of programme: Bachelor's degree
Type of subject: Pràctiques
University degree: Ingenieria Informatica
Start date: 09/2011
End date: 02/2012
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain

Type of teaching: Others

End date: 02/2012

Type of hours/ ECTS credits: Credits



- 63** **Type of teaching:** Official teaching
Name of the course: Treballs Acadèmicament Dirigits
Type of programme: Technical engineering
Type of subject: Optional
University degree: Informàtica de Sistemes
Start date: 03/2011
End date: 06/2011
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Type of teaching: In person theory
End date: 06/2011
Type of hours/ ECTS credits: Credits
- 64** **Type of teaching:** Official teaching
Name of the course: Treball de Fi de Carrera
Type of programme: Technical engineering
Type of subject: Obligatory
University degree: Informàtica de Sistemes
Start date: 03/2011
End date: 06/2011
Hours/ECTS credits: 9
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Type of teaching: In person theory
End date: 06/2011
Type of hours/ ECTS credits: Credits
- 65** **Type of teaching:** Official teaching
Name of the course: Treball de Fi de Grau
Type of programme: Bachelor's degree
Type of subject: Treball final de grau
University degree: Ingeniería Informática
Course given: Fourth
Start date: 03/2011
End date: 06/2011
Hours/ECTS credits: 18
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Type of teaching: Others
End date: 06/2011
Type of hours/ ECTS credits: Credits
- 66** **Type of teaching:** Official teaching
Name of the course: Estructura de Dades
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: First
Start date: 03/2011
End date: 06/2011
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Spanish
Type of teaching: In person theory
End date: 06/2011
Type of hours/ ECTS credits: Credits
- 67** **Type of teaching:** Official teaching
Name of the course: Reconeixement de Persones i Objectes
Type of programme: Master's degree
Type of subject: Obligatory
Type of teaching: In person theory



University degree: Inteligencia Artificial

Start date: 03/2011

End date: 06/2011

Hours/ECTS credits: 6

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Subject language: English

End date: 06/2011

Type of hours/ ECTS credits: Credits

68 Type of teaching: Official teaching

Name of the course: Pràctiques en Empreses II

Type of programme: Technical engineering

Type of subject: Optional

University degree: Informàtica de Sistemes

Start date: 09/2010

End date: 02/2011

Hours/ECTS credits: 6

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Subject language: Catalan

Type of teaching: In person theory

End date: 02/2011

Type of hours/ ECTS credits: Credits

69 Type of teaching: Official teaching

Name of the course: Pràctiques en Empreses I

Type of programme: Technical engineering

Type of subject: Optional

University degree: Informàtica de Sistemes

Start date: 09/2010

End date: 02/2011

Hours/ECTS credits: 12

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Subject language: Catalan

Type of teaching: In person theory

End date: 02/2011

Type of hours/ ECTS credits: Credits

70 Type of teaching: Official teaching

Name of the course: Visió Artificial

Type of programme: Bachelor's degree

Type of subject: Optional

University degree: Ingeniería Informática

Start date: 09/2010

End date: 02/2011

Hours/ECTS credits: 6

Entity: Universidad de Barcelona

City of entity: Barcelona, Spain

Subject language: Spanish

Type of teaching: In person theory

End date: 02/2011

Type of hours/ ECTS credits: Credits

71 Type of teaching: Official teaching

Name of the course: Pràctiques en Empreses III

Type of programme: Technical engineering

Type of subject: Optional

University degree: Informàtica de Sistemes

Start date: 2010

End date: 2011

Type of teaching: In person theory

End date: 2011

Type of hours/ ECTS credits: Credits

**Hours/ECTS credits:** 6**Entity:** Universidad de Barcelona**City of entity:** Barcelona, Spain**Subject language:** Catalan

72 **Type of teaching:** Official teaching
Name of the course: Estructura de Dades
Type of programme: Bachelor's degree
Type of subject: Obligatory
University degree: Ingeniería Informática
Course given: First
Start date: 03/2010
End date: 06/2010
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Spanish

Type of teaching: In person theory**End date:** 06/2010**Type of hours/ ECTS credits:** Credits

73 **Type of teaching:** Official teaching
Name of the course: Tesi
Type of programme: Master's degree
Type of subject: Obligatory
University degree: Inteligencia Artificial
Start date: 03/2010
End date: 06/2010
Hours/ECTS credits: 30
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English

Type of teaching: Others**End date:** 06/2010**Type of hours/ ECTS credits:** Credits

74 **Type of teaching:** Official teaching
Name of the course: Pràctiques en Empreses II
Type of programme: Technical engineering
Type of subject: Optional
University degree: Informàtica de Sistemes
Start date: 09/2009
End date: 02/2010
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan

Type of teaching: In person theory**End date:** 02/2010**Type of hours/ ECTS credits:** Credits

75 **Type of teaching:** Official teaching
Name of the course: Pràctiques en Empreses I
Type of programme: Technical engineering
Type of subject: Optional
University degree: Informàtica de Sistemes
Start date: 09/2009
End date: 02/2010
Hours/ECTS credits: 12
Entity: Universidad de Barcelona

Type of teaching: In person theory**End date:** 02/2010**Type of hours/ ECTS credits:** Credits



City of entity: Barcelona, Spain
Subject language: Catalan

76 **Type of teaching:** Official teaching
Name of the course: Treball de Fi de Grau
Type of programme: Bachelor's degree
Type of subject: Treball final de grau
University degree: Ingeniería Informática
Course given: Fourth
Start date: 09/2009
End date: 02/2010
Hours/ECTS credits: 18
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan

Type of teaching: Others

End date: 02/2010
Type of hours/ ECTS credits: Credits

77 **Type of teaching:** Official teaching
Name of the course: Visió Artificial
Type of programme: Bachelor's degree
Type of subject: Optional
University degree: Ingeniería Informática
Start date: 09/2009
End date: 02/2010
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Spanish

Type of teaching: In person theory

End date: 02/2010
Type of hours/ ECTS credits: Credits

78 **Type of teaching:** Official teaching
Name of the course: Seminaris en Intel·ligència Artificial (UB)
Type of programme: Master's degree
Type of subject: Obligatory
University degree: Inteligencia Artificial
Start date: 09/2009
End date: 02/2010
Hours/ECTS credits: 3
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: English

Type of teaching: In person theory

End date: 02/2010
Type of hours/ ECTS credits: Credits

79 **Type of teaching:** Official teaching
Name of the course: Pràctiques en Empreses III
Type of programme: Technical engineering
Type of subject: Optional
University degree: Informática de Sistemas
Start date: 2009
End date: 2010
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan

Type of teaching: In person theory

End date: 2010
Type of hours/ ECTS credits: Credits



- 80** **Type of teaching:** Official teaching
Name of the course: Estructura de Dades
Type of programme: Technical engineering
Type of subject: Optional
University degree: Informàtica de Sistemes
Start date: 03/2009
End date: 06/2009
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan
- 81** **Type of teaching:** Official teaching
Name of the course: Pràctiques en Empreses II
Type of programme: Technical engineering
Type of subject: Optional
University degree: Informàtica de Sistemes
Start date: 09/2008
End date: 02/2009
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan
- 82** **Type of teaching:** Official teaching
Name of the course: Pràctiques en Empreses I
Type of programme: Technical engineering
Type of subject: Optional
University degree: Informàtica de Sistemes
Start date: 09/2008
End date: 02/2009
Hours/ECTS credits: 12
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan
- 83** **Type of teaching:** Official teaching
Name of the course: Pràctiques en Empreses III
Type of programme: Technical engineering
Type of subject: Optional
University degree: Informàtica de Sistemes
Start date: 2008
End date: 2009
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan

Type of teaching: In person theory

End date: 06/2009

Type of hours/ ECTS credits: Credits

Type of teaching: In person theory

End date: 02/2009

Type of hours/ ECTS credits: Credits

Type of teaching: In person theory

End date: 02/2009

Type of hours/ ECTS credits: Credits

Type of teaching: In person theory

End date: 2009

Type of hours/ ECTS credits: Credits



84 **Type of teaching:** Official teaching
Name of the course: Estructura de Dades
Type of programme: Technical engineering
Type of subject: Optional
University degree: Informàtica de Sistemes
Start date: 03/2008
End date: 06/2008
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan

Type of teaching: In person theory

End date: 06/2008

Type of hours/ ECTS credits: Credits

85 **Type of teaching:** Official teaching
Name of the course: Elements de Programació
Type of programme: Technical engineering
Type of subject: Obligatory
University degree: Informàtica de Sistemes
Start date: 09/2007
End date: 02/2008
Hours/ECTS credits: 10,5
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan

Type of teaching: In person theory

End date: 02/2008

Type of hours/ ECTS credits: Credits

86 **Type of teaching:** Official teaching
Name of the course: Pràctiques en Empreses II
Type of programme: Technical engineering
Type of subject: Optional
University degree: Informàtica de Sistemes
Start date: 09/2007
End date: 02/2008
Hours/ECTS credits: 6
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan

Type of teaching: In person theory

End date: 02/2008

Type of hours/ ECTS credits: Credits

87 **Type of teaching:** Official teaching
Name of the course: Pràctiques en Empreses I
Type of programme: Technical engineering
Type of subject: Optional
University degree: Informàtica de Sistemes
Start date: 09/2007
End date: 02/2008
Hours/ECTS credits: 12
Entity: Universidad de Barcelona
City of entity: Barcelona, Spain
Subject language: Catalan

Type of teaching: In person theory

End date: 02/2008

Type of hours/ ECTS credits: Credits

88 **Type of teaching:** Official teaching
Name of the course: Processament d'Imatges
Type of programme: Technical engineering

Type of teaching: In person theory



Type of subject: Optional

University degree: Informàtica de Sistemes

Start date: 09/2007

End date: 02/2008

Hours/ECTS credits: 6

Entity: Universitat de Barcelona

City of entity: Barcelona, Spain

Subject language: Catalan

End date: 02/2008

Type of hours/ ECTS credits: Credits

89 Type of teaching: Official teaching

Name of the course: Pràctiques en Empreses III

Type of programme: Technical engineering

Type of subject: Optional

University degree: Informàtica de Sistemes

Start date: 2007

End date: 2008

Hours/ECTS credits: 6

Entity: Universitat de Barcelona

City of entity: Barcelona, Spain

Subject language: Catalan

Type of teaching: In person theory

End date: 2008

Type of hours/ ECTS credits: Credits

Experience supervising doctoral thesis and/or final year projects

1 Project title: Applying Deep Learning to Analyze Lifestyle in Egocentric images

Type of project: Master's Thesis

Entity: Universitat de Barcelona

City of entity: Spain

Student: Chenxi Liu

Obtained qualification: Excellent

Date of reading: 2021

2 Project title: Deep Multimodal Learning for Egocentric Storytelling and Food Analysis

Type of project: Doctoral thesis

Entity: Universitat de Barcelona

City of entity: Spain

Student: Marc Bolaños

Obtained qualification: Capable Cum Laude

Date of reading: 2021

3 Project title: Lifestyle understanding through the analysis of egocentric photo-streams

Type of project: Doctoral thesis

Entity: Universitat de Groningen & Universitat de Barcelona

City of entity: Holland

Student: Estefania Talavera

Obtained qualification: Capable Cum Laude

Date of reading: 2020

4 Project title: Model-Based Segmentation of Images

Type of project: Doctoral thesis

Entity: Universitat Autònoma de Barcelona



City of entity: Spain
Student: Margarita Torre Alcoceba
Obtained qualification: Capable Cum Laude
Date of reading: 2020

5 **Project title:** Recognizing Action and Activities from Egocentric Images
Type of project: Doctoral thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Alejandro Cartas
Obtained qualification: Capable Cum Laude
Date of reading: 2020

6 **Project title:** Deep Learning and Uncertainty Modeling in Visual Food Analysis
Type of project: Doctoral thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Eduardo Aguilar
Obtained qualification: Capable Cum Laude
Date of reading: 2020

7 **Project title:** Efficient Deep Learning Models and Their Applications to Health Informatics
Type of project: Doctoral thesis
Entity: Universitat Rovira i Virgili
City of entity: Spain
Student: Mostafa Kamal
Obtained qualification: Capable Cum Laude
Date of reading: 2019

8 **Project title:** Social Signal Processing from Egocentric Photo-Streams
Type of project: Doctoral thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Maedeh Aghaei
Obtained qualification: Excellent Cum Laude
Date of reading: 2018

9 **Project title:** Context-aware Quality of Life telemonitoring for a novel healthcare paradigm
Type of project: Doctoral thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Felip Miralles
Obtained qualification: Capable Cum Laude
Date of reading: 2016

10 **Project title:** A cognitive-based model for event representation in egocentric photo-streams: application to temporal segmentation
Type of project: Master's Thesis
Entity: UPC-UB
City of entity: Spain
Student: Haouyi Xu



Date of reading: 2016

- 11** **Project title:** Sequential image analysis for computer-aided wireless endoscopy
Type of project: Doctoral thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Michal Drozdal
Obtained qualification: Capable Cum Laude
Date of reading: 2014
- 12** **Project title:** Towards Unsupervised Life-logging Video Segmentation
Type of project: Master's Thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Estefania Talavera
Obtained qualification: Excellent
Date of reading: 2014
- 13** **Project title:** Detection and Alignment of Vascular Structures in Intravascular Ultrasound using Pattern Recognition Techniques
Type of project: Doctoral thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Marina Alberti
Obtained qualification: Capable Cum Laude and Extraordinary Award
Date of reading: 2013
- 14** **Project title:** iCognos: Cognitive stimulation through task-oriented telerobotics
Type of project: End of course project
Entity: Universitat de Barcelona
City of entity: Spain
Student: Stefan Dauwalder
Obtained qualification: Capable Cum Laude and Extraordinary Award
Date of reading: 2013
- 15** **Project title:** Improving pedestrian detection by background modelling
Type of project: Master's Thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Alejandro Cabello
Obtained qualification: Excellent
Date of reading: 2013
- 16** **Project title:** Towards Human Interaction Analysis
Type of project: Master's Thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Maedeh Aghaei Gavari
Obtained qualification: Capable Cum Laude
Date of reading: 2012



- 17** **Project title:** Robust and accurate diaphragm border detection in cardiac x-ray angiographies
Type of project: Master's Thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Simeon Petkov
Obtained qualification: Capable Cum Laude
Date of reading: 2012
- 18** **Project title:** Multi-Class Learning for Vessel Characterization in Intravascular Ultrasound
Type of project: Doctoral thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Francesco Ciompi
Obtained qualification: Excellent Cum Laude
Date of reading: 2012
- 19** **Project title:** Approximate Ensemble Methods for Physical Activity Recognition Applications
Type of project: Doctoral thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Pierluigi Casale
Obtained qualification: Excellent Cum Laude
Date of reading: 2011
- 20** **Project title:** Efficient automatic segmentation of tubular structures in images and volumes
Type of project: Master's Thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Adriana Romero Soriano
Obtained qualification: Capable Cum Laude
Date of reading: 2011
- 21** **Project title:** X-QPA: a Quantitative X-Ray-based myocardial re-Perfusion computer-assisted Analysis/diagnosis tool
Type of project: Master's Thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Simeon Petkov
Date of reading: 2011
- 22** **Project title:** Efficient automatic segmentation of tubular structures in images and volumes
Type of project: Master's Thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Adriana Romero
Obtained qualification: Excellent
Date of reading: 2011
- 23** **Project title:** Coding and Decoding Design of ECOCs for Multi-class Pattern and Object Recognition
Type of project: Doctoral thesis
Entity: Universitat Autònoma de Barcelona



City of entity: Spain
Student: Sergio Escalera
Obtained qualification: Excellent Cum Laude
Date of reading: 2009

24 Project title: Contextual Bag-of-Visual-Words and ECOC-Rank for Retrieval and Multi-class Object Recognition

Type of project: Master's Thesis
Entity: Universitat de Barcelona
City of entity: Spain
Student: Mehdi Mirza-Mohammadi
Obtained qualification: Excellent Cum Laude
Date of reading: 2009

25 Project title: Multi-modal medical image registration

Type of project: Doctoral thesis
Entity: Universitat Autònoma de Barcelona
City of entity: Spain
Student: David Rotger
Obtained qualification: Excellent Cum Laude
Date of reading: 2008

26 Project title: Recognition and Retrieval of Object Categories using Contextual Information

Type of project: Doctoral thesis
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Jaume Amores Llopis
Obtained qualification: Capable Cum Laude
Date of reading: 2006

27 Project title: A machine learning approach for intestinal motility assessment with capsule endoscopy

Type of project: Doctoral thesis
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Fernando Vilariño Freire
Obtained qualification: Capable Cum Laude
Date of reading: 2006

28 Project title: A Physics-Based Image Modelling of IVUS as a Geometric and Kinematic System

Type of project: Doctoral thesis
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Misael Rosales
Obtained qualification: Capable Cum Laude
Date of reading: 2005

29 Project title: Modelado de Órganos en Imágenes Médicas

Type of project: Doctoral thesis
Entity: Universidad de Zaragoza
City of entity: Spain
Student: Juan Ignacio Pullido
Obtained qualification: Capable Cum Laude



Date of reading: 2005

- 30** **Project title:** Geometric Differential Operators for Shape Modelling
Type of project: Doctoral thesis
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Debora Gil
Obtained qualification: Capable Cum Laude
Date of reading: 2004
- 31** **Project title:** A Semi-Supervised Statistical Framework and Generative Snakes for IVUS Analysis.
Type of project: Doctoral thesis
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Oriol Pujol
Obtained qualification: Capable Cum Laude
Date of reading: 2004
- 32** **Project title:** Semantic Retrieval of Memory Color Content
Type of project: End of course project
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Oscar Martinez Ballac
Date of reading: 2004
- 33** **Project title:** Extraccion de regiones y vias de comunicacion de imagenes aereas
Type of project: End of course project
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Margarita Torre
Date of reading: 2004
- 34** **Project title:** Multidimensional Scaling applied to Cork Classification
Type of project: End of course project
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Ricard Borrás
Date of reading: 2004
- 35** **Project title:** Generalized Active Shape Models Applied to Cardiac Function Analysis
Type of project: End of course project
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Jaume Garcia i Barnes
Date of reading: 2004
- 36** **Project title:** 3D Reconstruction of the Coronary Tree using Biplane Snakes
Type of project: Doctoral thesis
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Cristina Cañero



Obtained qualification: Capable Cum Laude

Date of reading: 2003

- 37** **Project title:** Registration and Retrieval of Medical Images, Application to IVUS
Type of project: End of course project
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Jaume Amores Llopis
Date of reading: 2003
- 38** **Project title:** Interfície Gràfica de simulació d'IVUS
Type of project: End of course project
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Misael Rosales
Date of reading: 2003
- 39** **Project title:** Cardiac Workstation and Dynamic Model to Assist in Coronary Tree Analysis
Type of project: Doctoral thesis
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Ricardo Toledo
Obtained qualification: Capable Cum Laude
Date of reading: 2002
- 40** **Project title:** Multimodal registration of Intravascular Ultrasound Images and Angiography
Type of project: Master's Thesis
Entity: Universidad Autónoma de Barcelona (UPIIA)
City of entity: Spain
Student: David Rotger
Date of reading: 2002
- 41** **Project title:** Propagació de Fronts per a la Segmentació en Imatges IVUS
Type of project: Master's Thesis
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Jaume García
Date of reading: 2002
- 42** **Project title:** Aplicaciones al modelo de formas activas para un entorno aumentado
Type of project: Master's Thesis
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Carles Prades
Date of reading: 2000
- 43** **Project title:** Model-Based Three Dimensional Interpolation of IVUS Images
Type of project: End of course project
Entity: Universidad Autónoma de Barcelona
City of entity: Spain
Student: Oriol Pujol



Date of reading: 1999

44 Project title: Construcció de mosaics mitjançant flux òptic

Type of project: Master's Thesis

Entity: Universidad Autónoma de Barcelona

City of entity: Spain

Student: Francesc Pañella i Milà

Date of reading: 1999

45 Project title: Deformable Models applied in Medical Imaging

Type of project: End of course project

Entity: Universidad Autónoma de Barcelona

City of entity: Spain

Student: Cristina Cañero

Date of reading: 1999

46 Project title: Filtraje y Segmentación con Snakes geodésicos

Type of project: End of course project

Entity: Universidad Autónoma de Barcelona

City of entity: Spain

Student: Andrés Solé

Date of reading: 1998

47 Project title: Asignación automática de la edad ósea a través de un sistema de reglas

Type of project: End of course project

Entity: Universidad Autónoma de Barcelona (UPIIA)

City of entity: Spain

Student: Erundina Vázquez

Date of reading: 1997

Educational or pedagogical publications, books, articles, etc.

Name of the materials: Coordinació i tutela de pràctiques en empresa a l'ETIS i al Grau d'Enginyeria Informàtica des del curs 2007-08 fins al curs 2012-13

Date of drafting: 2007

Participation in innovative teaching projects

1 Project title: INDOMAIN - Innovació Docent en Matemàtiques i Informàtica

Type of participation: Team member

Time of working relationship: For a limited time

Name of the main researcher: Igual Muñoz, Laura

Number of participants: 34

Funding entity: Universitat de Barcelona

Type of call: Non-competitive

Start-End date: 01/01/2016 - 15/05/2025

Type of entity: University

Duration: 9 years - 4 months - 14 days



- 2** **Project title:** Sistema intel·ligent de suport al Tutor d'estudis
Type of participation: Team member
Time of working relationship: For a limited time
Name of the main researcher: Igual Muñoz, Laura
Number of participants: 8
Funding entity: Universitat de Barcelona
Type of call: Non-competitive
Start-End date: 07/01/2015 - 29/01/2018
Type of entity: University
Duration: 3 years - 22 days
- 3** **Project title:** Sistema automàtic d'assistència a la correcció d'exercicis de programació
Type of participation: Team member
Time of working relationship: For a limited time
Name of the main researcher: Garrido Ostermann, Luis
Number of participants: 8
Funding entity: Universitat de Barcelona
Type of call: Non-competitive
Start-End date: 01/09/2012 - 31/08/2013
Type of entity: University
Duration: 11 months - 30 days
- 4** **Project title:** ANÀLISI I IMPLANTACIÓ DE LA METODOLOGIA D'APRENTATGE BASAT EN PROBLEMES A L'ASSIGNATURA DE PROGRAMACIÓ II DEL GRAU D'ENGINYERIA INFORMÀTICA.
Type of participation: Team member
Time of working relationship: For a limited time
Name of the main researcher: Igual Muñoz, Laura
Number of participants: 10
Funding entity: Universitat de Barcelona
Type of call: Non-competitive
Start-End date: 10/01/2009 - 10/01/2010
Type of entity: University
Duration: 1 year
- 5** **Project title:** MILLORA DE L'EXPRESSIÓ ORAL D'ALUMNES DEL GRAU D'INFORMÀTICA VIA UN SISTEMA DE VISIÓ ARTIFICIAL
Type of participation: Team member
Time of working relationship: For a limited time
Name of the main researcher: Escalera Guerrero, Sergio
Number of participants: 12
Amount awarded: 3.600 €
Funding entity: Universitat de Barcelona
Type of call: Non-competitive
Start-End date: 10/01/2009 - 09/01/2010
Type of entity: University
Duration: 11 months - 30 days
- 6** **Project title:** DISSENY I REALITZACIÓ D'UN PROGRAMA PILOT PER AL SEGUIMENT I L'AVALUACIÓ DE L'APRENTATGE DELS TREBALLS FI DE CARRERA PER AL GRAU D'ENGINYERIA INFORMÀTICA.
Type of participation: Team member
Time of working relationship: For a limited time
Name of the main researcher: Pujol Vila, Oriol
Number of participants: 12
Amount awarded: 400 €
Funding entity: Universitat de Barcelona
Type of call: Non-competitive
Start-End date: 10/01/2009 - 09/01/2010
Type of entity: University
Duration: 11 months - 30 days

7 Project title: Programació dels graus de la Facultat de Matemàtiques de la UB (Pla 2009)**Type of participation:** Team member**Time of working relationship:** For a limited time**Name of the main researcher:** Cascante Canut, Maria Carmen**Number of participants:** 20**Amount awarded:** 6.000 €**Funding entity:** Universitat de Barcelona**Type of entity:** University**Type of call:** Non-competitive**Start-End date:** 10/01/2008 - 10/02/2009**Duration:** 1 year - 1 month**Other activities/achievements not included above**

1 Description of the activity: L'objectiu de la mentoria és acompanyar als estudiants del primer curs a començar els seus estudis i resoldre problemes logístics i acadèmics detectant a temps possibles conflictes.: A5. Mentoring of junior professors

End date: 2019

2 Description of the activity: La RedUNCI (Red de Universidades Nacionales con Carreras de Informatica) de Argentina ha lanzando un estándar incluyendo competencias y en particular en la Facultad de Informatica de la Universidad Nacional de La Plata, se han firmado un convenio con ANECA para trabajar en la acreditación EUROINF. He sido invitada a participar al Panel sobre La integración de las competencias en el sistema educativo de Argentina. Este panel ha sido organizado durante el Congreso CITIC, en Tandil, 2018.: A2. Attendance to congresses, conferences, seminars etc. on university teaching

End date: 09/10/2018

3 Description of the activity: Jornada de seguiment dels graus de la Facultat 2018: Courses and Seminars - Taught

End date: 05/02/2018

4 Description of the activity: Course on 'Advanced Medical Imaging: Wireless Endoscopy Analysis' sponsored by the Indian Institute of Technology and hold at VNIT, Nagpur, India: A3. Teaching courses for professors training

End date: 06/01/2018

5 Description of the activity: Participo en un programa Erasmus+ amb la Universitat de Sofia, Bulgaria. Dintre aquest programa he fet una estada a Sofia Bulgaria on he impartit un seminari sobre la docència en els Màsters de la UB en particular relacionats amb l'Aprenentatge automàtic. Durant el seminari hem comentat com educar i transmetre el coneixement als alumnes de Master per poder motivar-los i ensenyar-les resoldre problemes reals. A més es comenta com involucrar-los en problemes reals per fer projectes de transferència tecnològica amb empreses de diferents sectors i la societat.: Courses and Seminars - Taught

End date: 2018

6 Description of the activity: Jornada de seguiment dels graus de la Facultat de Matemàtiques i Informàtica'2017,: Not specified

End date: 06/02/2017

7 Description of the activity: Participo en un programa Erasmus+ amb la Universitat de Sofia, Bulgaria. Dintre aquest programa he fet una estada a Sofia Bulgaria on he impartit un seminari sobre la docència en els Màsters de la UB en particular relacionats amb l'Aprenentatge automàtic. Durant el seminari hem comentat com educar i transmetre el coneixement als alumnes de Master per poder motivar-los i ensenyar-les resoldre problemes reals. A més es comenta com involucrar-los en problemes reals per fer projectes de transferència tecnològica amb empreses de diferents sectors i la societat.: Not specified

End date: 2017



- 8** **Description of the activity:** Jornada de seguiment dels graus de la Facultat de Matemàtiques'2016,: Not specified
End date: 03/02/2016

- 9** **Description of the activity:** Jornada de metodologies i tecnologies docents a la Facultat de Matemàtiques 2012:
Other teaching merits
End date: 17/10/2012

- 10** **Description of the activity:** Jornada d'Orientació Professional: Not specified
End date: 05/2012

- 11** **Description of the activity:** Mòdul 3. Mediació de conflictes. Habilitats directives i de Lideratge, CODI
UNI2011043: Courses and Seminars - Taught
End date: 03/2012

- 12** **Description of the activity:** Jornada de seguiment dels graus d'Enginyeria Informàtica i de Matemàtiques: Not specified
End date: 01/2012

- 13** **Description of the activity:** Cap d'estudis d'ETIS i del Grau d'Enginyeria Informàtica: Not specified
End date: 2012

- 14** **Description of the activity:** Coordinadora de PAT d'Enginyeria Informàtica: Other teaching merits
End date: 2012

- 15** **Description of the activity:** Jornada d'Orientació Professional, 2009, 2010, 2011, 2012: Courses and Seminars - Directed
End date: 2012

- 16** **Description of the activity:** Jornada d'Orientació Professional de la Facultat de Matemàtiques: Courses and Seminars - Taught
End date: 06/04/2011

- 17** **Description of the activity:** Jornada de metodologies i tecnologies docents a la Facultat de matemàtiques '2011: Not specified
End date: 08/02/2011

- 18** **Description of the activity:** Jornada de seguiment dels graus d'Enginyeria Informàtica i de Matemàtiques
UNI2010441: Courses and Seminars - Taught
End date: 02/2011

- 19** **Description of the activity:** Jornada introductòria a Grau d'Enginyeria Informàtica, 2009, 2010, 2011: Courses and Seminars - Directed
End date: 2011

- 20** **Description of the activity:** Víctor Ponce, Mario Gorga, Xavier Baró, Petia Radeva, and Sergio Escalera, Análisis de la expresión oral y gestual en proyectos fin de carrera vía un sistema de visión artificial, ReVision, la revista electrónica de la Asociación de Enseñantes Universitarios de la Informática AENUI, from JENUI 2010 best work, ISSN 1989-1199, 2011.: Other teaching merits
End date: 2011



- 21 Description of the activity:** Projecte d'innovació docent: PROGRAMACIÓ DELS GRAUS DE LA FACULTAT DE MATEMÀTIQUES DE LA UB: Other teaching merits
End date: 07/2010
- 22 Description of the activity:** Jornada de seguiment de l'inici dels graus d'Enginyeria Informàtica i Matemàtiques UNI2009410: Courses and Seminars - Directed
End date: 02/2010
- 23 Description of the activity:** Jornada de seguiment dels graus d'Enginyeria Informàtica i de Matemàtiques: Courses and Seminars - Taught
End date: 01/2010
- 24 Description of the activity:** Membre de la comissió de la UB que va dissenyar l'itinerari del Grau d'Enginyeria Informàtica, durant el curs 2008-09. L'itinerari es va implantar a partir del curs 2009-10: Other teaching merits
End date: 2009
- 25 Description of the activity:** Creació d'estats emocionals per a la millora de la docència (ICE): Courses and Seminars - Taught
End date: 22/04/2008
- 26 Description of the activity:** Control de las emociones en el aula: Not specified
End date: 10/01/2008
- 27 Description of the activity:** El aprendizaje por problemas y el espacio europeo de educación superior: Not specified
End date: 07/2004
- 28 Description of the activity:** La evaluación por portfolio: Courses and Seminars - Taught
End date: 07/2004
- 29 Description of the activity:** Resolver problemas para aprender ciencias: Courses and Seminars - Taught
End date: 04/2004
- 30 Description of the activity:** Campus virtual: Not specified
End date: 02/2004
- 31 Description of the activity:** La dirección de equipos de trabajo a la universidad contemporánea. Consideraciones e instrumentación a la práctica creadora: Not specified
End date: 02/2004
- 32 Description of the activity:** Competencias curriculares: Other teaching merits
End date: 02/2004

Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** Ajut per incentivar i consolidar la recerca d'excel·lència ja existent a les universitats públiques de Catalunya. Programa ICREA Academia 2022.
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 1
Funding entity or bodies:
Fundació Institució Catalana de Recerca i Estudis Avançats (ICREA) **Type of entity:** Not defined
City funding entity: 08010 Barcelona, Spain
Start-End date: 01/01/2023 - 31/12/2027 **Duration:** 4 years - 11 months - 30 days
Total amount: 200.000 €
- 2** **Name of the project:** European Federation for Cancer Images (EUCAIM)
Name principal investigator (PI, Co-PI....): Gelpí Buchaca, Jose Luis
Nº of researchers: 5
Funding entity or bodies:
Unió Europea **Type of entity:** Not defined
City funding entity: B-1048 Brussels, Belgium
Code according to the funding entity: 101100633
Start-End date: 01/01/2023 - 31/12/2026 **Duration:** 3 years - 11 months - 30 days
Total amount: 496.301,31 €
- 3** **Name of the project:** Institut de Neurociències de la Universitat de Barcelona (UBNEURO)
Name principal investigator (PI, Co-PI....): Alberch Vie, Jordi
Nº of researchers: 424
Funding entity or bodies:
Ministerio de Ciencia e Innovación (MICINN) **Type of entity:** Not defined
City funding entity: Madrid, Spain
Code according to the funding entity: CEX2021-001159-M
Start-End date: 01/01/2023 - 31/12/2026 **Duration:** 3 years - 11 months - 30 days
Total amount: 2.000.000 €
- 4** **Name of the project:** Understanding, predicting, and treating depression in pregnancy to improve mothers and offspring mental health outcomes (HappyMums)
Name principal investigator (PI, Co-PI....): Lekadir, Karim
Nº of researchers: 11
Funding entity or bodies:
Unió Europea **Type of entity:** Not defined
City funding entity: B-1048 Brussels, Belgium
Code according to the funding entity: 101057390

**Start-End date:** 01/11/2022 - 31/10/2026**Duration:** 3 years - 11 months - 30 days**Total amount:** 938.306 €**5 Name of the project:** International Clinical Validation of Radiomics Artificial Intelligence for Breast Cancer Treatment Planning (RadioVal)**Name principal investigator (PI, Co-PI....):** Lekadir, Karim**Nº of researchers:** 11**Funding entity or bodies:**

Unió Europea

Type of entity: Not defined**City funding entity:** B-1048 Brussels, Belgium**Code according to the funding entity:** 101057699**Start-End date:** 01/09/2022 - 31/08/2026**Duration:** 3 years - 11 months - 30 days**Total amount:** 801.250 €**6 Name of the project:** Xarxa d'R+D+I d'Intel·ligència Artificial (RDI-IA)**Name principal investigator (PI, Co-PI....):** Karatzas, Dimosthenis**Nº of researchers:** 2**Funding entity or bodies:**

Departament d'Empresa i Coneixement. Generalitat de Catalunya

Type of entity: Not defined

Agència de Gestió d'Ajuts Universitaris i de Recerca AGAUR

Type of entity: Not defined**City funding entity:** 08010 Barcelona, Spain**Code according to the funding entity:** 2021 XARDI 00022**Start-End date:** 01/01/2023 - 31/12/2025**Duration:** 2 years - 11 months - 30 days**7 Name of the project:** Xarxa d'R+D+I de Noves Tecnologies en Salut Mental - TECSAM**Name principal investigator (PI, Co-PI....):** Haro Abad, Josep Maria**Nº of researchers:** 12**Funding entity or bodies:**

Agència de Gestió d'Ajuts Universitaris i de Recerca AGAUR

Type of entity: Not defined**City funding entity:** 08010 Barcelona, Spain

Departament d'Empresa i Coneixement. Generalitat de Catalunya

Type of entity: Not defined**Code according to the funding entity:** 2021 XARDI 00005**Start-End date:** 01/01/2023 - 31/12/2025**Duration:** 2 years - 11 months - 30 days**8 Name of the project:** Métodos in vitro alternativos humanos para el estudio de enfermedades neurodegenerativas**Name principal investigator (PI, Co-PI....):** Canals Coll, Josep Maria**Nº of researchers:** 3**Funding entity or bodies:**

Ministerio de Ciencia e Innovación

Type of entity: Not defined**Code according to the funding entity:** PLEC2022-009401**Start-End date:** 02/11/2022 - 01/11/2025**Duration:** 2 years - 11 months - 30 days**Total amount:** 386.900,31 €

- 9** **Name of the project:** Robo STEAM - Inclusive Technologies
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 6
Funding entity or bodies:
Education, Audiovisual and Culture Executive Agency **Type of entity:** Not defined (EACEA)
City funding entity: Bruselas, European Union institutions
Code according to the funding entity: 2022-1-BG01-KA220-VET-000089434
Start-End date: 01/10/2022 - 30/09/2025 **Duration:** 2 years - 11 months - 29 days
Total amount: 72.350 €
- 10** **Name of the project:** MUSAE: a human-centred factory for a future technological sustainable development driven by arts (MUSAE)
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia; Lekadir, Karim
Nº of researchers: 14
Funding entity or bodies:
Unió Europea **Type of entity:** Not defined
City funding entity: B-1048 Brussels, Belgium
Code according to the funding entity: 101070421
Start-End date: 01/09/2022 - 31/08/2025 **Duration:** 2 years - 11 months - 30 days
Total amount: 339.338 €
- 11** **Name of the project:** Modelització del comportament i calibració de sensors de gas basats en Deep learning (DeepSens) (ACE053/22/000029)
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 3
Funding entity or bodies:
ACCIÓ. Agència de Suport a l'Empresa Catalana **Type of entity:** Not defined
City funding entity: Barcelona, Spain
Code according to the funding entity: ACE053/22/000029
Start-End date: 27/07/2022 - 26/07/2025 **Duration:** 2 years - 11 months - 29 days
Total amount: 99.998,3 €
- 12** **Name of the project:** Contracte del Programa Juan de la Cierva-Formació 2021
Name principal investigator (PI, Co-PI....): Kushibar, Kaisar
Nº of researchers: 2
Funding entity or bodies:
Ministerio de Ciencia e Innovación **Type of entity:** Not defined
Code according to the funding entity: FJC2021-047659-I
Start-End date: 01/01/2023 - 31/12/2024 **Duration:** 1 year - 11 months - 30 days
Total amount: 64.800 €
- 13** **Name of the project:** Redes de Investigación Cooperativa Orientadas a Resultados en Salud 2021: RICORS TERAV
Name principal investigator (PI, Co-PI....): Canals Coll, Josep Maria
Nº of researchers: 7
Funding entity or bodies:
Instituto de Salud Carlos III **Type of entity:** Not defined
Code according to the funding entity: RD21/0017/0020



Start-End date: 01/01/2022 - 31/12/2024
Total amount: 169.222,9 €

Duration: 2 years - 11 months - 30 days

14 Name of the project: Artificial Intelligence and Biomedical Applications (AIBA)

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 39

Funding entity or bodies:

Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR) **Type of entity:** Not defined

City funding entity: 08003 Barcelona, Spain

Code according to the funding entity: 2021SGR01094

Start-End date: 01/01/2022 - 31/12/2024

Duration: 2 years - 11 months - 30 days

Total amount: 60.000 €

15 Name of the project: Grup de Ciència de Dades de la Universitat de Barcelona

Name principal investigator (PI, Co-PI....): Vitria Marca, Jordi

Nº of researchers: 14

Funding entity or bodies:

ACCIÓ. Agència de Suport a l'Empresa Catalana **Type of entity:** Not defined

City funding entity: Barcelona, Spain

Code according to the funding entity: DS@UB

Start-End date: 30/10/2015 - 31/12/2024

Duration: 9 years - 2 months - 1 day

16 Name of the project: Modelo híbrido predictivo de optimización y mejora del matching donante-receptor en donación en asistolia controlada con criterios expandidos como incremento del pool de donantes de órganos

Name principal investigator (PI, Co-PI....): Revuelta Vicente, Ignacio

Nº of researchers: 7

Funding entity or bodies:

Fundación Mutua Madrileña **Type of entity:** Not defined

City funding entity: Madrid, Spain

Code according to the funding entity: AP176472021

Start-End date: 16/12/2021 - 15/12/2024

Duration: 2 years - 11 months - 29 days

Total amount: 60.000 €

17 Name of the project: Una herramienta digital para la estimación de la cantidad de comida usando deep learning

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 5

Funding entity or bodies:

Ministerio de Ciencia e Innovación **Type of entity:** Not defined

Code according to the funding entity: PDC2022-133642-I00

Start-End date: 01/12/2022 - 30/11/2024

Duration: 1 year - 11 months - 29 days

Total amount: 136.850 €

18 Name of the project: In vivo reprogramming to rescue alterations in Huntington's disease

Name principal investigator (PI, Co-PI....): Canals Coll, Josep Maria

Nº of researchers: 6

Funding entity or bodies:

Fundació Caixa de Pensions 'La Caixa'
City funding entity: 08028 Barcelona, Spain

Type of entity: Not defined

Code according to the funding entity: HR21-00622

Start-End date: 01/11/2021 - 31/10/2024

Duration: 2 years - 11 months - 30 days

Total amount: 994.890 €

19 Name of the project: A European Cancer Image Platform Linked to Biological and Health Data for Next-Generation Artificial Intelligence and Precision Medicine in Oncology (EuCanImage)

Name principal investigator (PI, Co-PI....): Lekadir, Karim

Nº of researchers: 8

Funding entity or bodies:

Unió Europea

Type of entity: Not defined

City funding entity: B-1048 Brussels, Belgium

Code according to the funding entity: 952103

Start-End date: 01/10/2020 - 30/09/2024

Duration: 3 years - 11 months - 29 days

Total amount: 1.278.125 €

20 Name of the project: Contracte del Programa Juan de la Cierva-Formació 2019

Name principal investigator (PI, Co-PI....): Garcia Marcos, Eloy

Nº of researchers: 2

Funding entity or bodies:

Ministerio de Economía y Competitividad

Type of entity: Not defined

Ministerio de Ciencia e Innovación (MICINN)

Type of entity: Not defined

City funding entity: Madrid, Spain

Code according to the funding entity: FJC2019-040039-I

Start-End date: 01/07/2021 - 30/06/2023

Duration: 1 year - 11 months - 29 days

Total amount: 50.000 €

21 Name of the project: An EU-Canada joint infrastructure for next-generation multi-Study Heart research (euCanSHare)

Name principal investigator (PI, Co-PI....): Lekadir, Karim

Nº of researchers: 7

Funding entity or bodies:

Unió Europea

Type of entity: Not defined

City funding entity: B-1048 Brussels, Belgium

Code according to the funding entity: 825903

Start-End date: 01/10/2019 - 31/05/2023

Duration: 3 years - 7 months - 30 days

Total amount: 575.747,31 €

22 Name of the project: Better insured for less, customer first!

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 3

Funding entity or bodies:

Unió Europea

Type of entity: Not defined

City funding entity: B-1048 Brussels, Belgium

Code according to the funding entity: 22092

Start-End date: 01/01/2022 - 31/12/2022

Duration: 11 months - 30 days

Total amount: 18.750 €

- 23** **Name of the project:** Contracte del Programa Juan de la Cierva-Incorporació 2018
Name principal investigator (PI, Co-PI....): PEREIRA, TANIA
Nº of researchers: 2
Funding entity or bodies:
Ministerio de Ciencia e Innovación (MICINN) **Type of entity:** Not defined
City funding entity: Madrid, Spain
Ministerio de Economía y Competitividad **Type of entity:** Not defined
Code according to the funding entity: IJC2018-036205-I
Start-End date: 01/01/2020 - 31/12/2022 **Duration:** 2 years - 11 months - 30 days
Total amount: 93.000 €
- 24** **Name of the project:** Xarxa d'Innovació de Noves Technologies en Salut Mental - TECSAM
Name principal investigator (PI, Co-PI....): Haro Abad, Josep Maria; Vieta Pascual, Eduard; Bernardo Arroyo, Miguel
Nº of researchers: 10
Funding entity or bodies:
Departament d'Empresa i Coneixement. Generalitat de Catalunya **Type of entity:** Not defined
Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR) **Type of entity:** Not defined
City funding entity: 08003 Barcelona, Spain
Code according to the funding entity: 2018 XARDI 00010
Start-End date: 01/01/2018 - 31/12/2022 **Duration:** 4 years - 11 months - 30 days
Total amount: 379.908,33 €
- 25** **Name of the project:** An intelligent tool based on Deep learning for Food Intake monitoring of Elderly (Logmeal4Shape)
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 1
Funding entity or bodies:
Unió Europea **Type of entity:** Not defined
City funding entity: B-1048 Brussels, Belgium
Code according to the funding entity: ---
Start-End date: 01/10/2021 - 30/09/2022 **Duration:** 11 months - 29 days
Total amount: 50.000 €
- 26** **Name of the project:** Más allá de la Precisión de los Modelos: Incerteza, Explicabilidad y Aprendizaje Entre-modal
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia; Seguí Mesquida, Santiago
Nº of researchers: 6
Funding entity or bodies:
Ministerio de Ciencia, Innovación y Universidades **Type of entity:** Not defined
Code according to the funding entity: RTI2018-095232-B-C21
Start-End date: 01/01/2019 - 30/09/2022 **Duration:** 3 years - 8 months - 29 days
Total amount: 143.627 €

- 27** **Name of the project:** Contracte del Programa Ramon y Cajal
Name principal investigator (PI, Co-PI....): Lekadir, Karim
Nº of researchers: 2
Funding entity or bodies:
Ministerio de Economía y Competitividad **Type of entity:** Not defined
Code according to the funding entity: RYC-2015-17183
Start-End date: 01/10/2019 - 31/07/2022 **Duration:** 2 years - 9 months - 30 days
- 28** **Name of the project:** LogMeal's SmartTray: Self-checkout system for self-service restaurants (Innovadors)
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 1
Funding entity or bodies:
Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR) **Type of entity:** Not defined
City funding entity: 08003 Barcelona, Spain
Code according to the funding entity: Exp. 2019 INNOV 00069
Start-End date: 10/08/2020 - 10/02/2022 **Duration:** 1 year - 6 months
Total amount: 84.000 €
- 29** **Name of the project:** Greenhabit365
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 10
Funding entity or bodies:
Unió Europea **Type of entity:** Not defined
City funding entity: B-1048 Brussels, Belgium
Code according to the funding entity: 21105
Start-End date: 01/01/2021 - 31/12/2021 **Duration:** 11 months - 30 days
Total amount: 162.266 €
- 30** **Name of the project:** LOOMING FACTORY
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 4
Funding entity or bodies:
Departament d'Empresa i Coneixement. Generalitat de Catalunya **Type of entity:** Not defined
Code according to the funding entity: Ref. 001-P-001643
Start-End date: 01/01/2019 - 31/12/2021 **Duration:** 2 years - 11 months - 30 days
Total amount: 58.226,33 €
- 31** **Name of the project:** Computer Vision and Machine Learning at the University of Barcelona (CVMLUB)
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 32
Funding entity or bodies:
Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR) **Type of entity:** Not defined
City funding entity: 08003 Barcelona, Spain
Code according to the funding entity: 2017SGR1742
Start-End date: 01/01/2017 - 30/09/2021 **Duration:** 4 years - 8 months - 29 days

- 32** **Name of the project:** Doctorats industrials 2018. Empresa: Abante & Pongiluppi SL
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 2
Funding entity or bodies:
Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR) **Type of entity:** Not defined
City funding entity: 08003 Barcelona, Spain
Code according to the funding entity: 2018DI039
Start-End date: 10/09/2018 - 10/09/2021 **Duration:** 3 years
Total amount: 33.960 €
- 33** **Name of the project:** Atorgament d'un ajut de la convocatòria del Programa d'Intensificació de l'Activitat Investigadora Internacional (2020-21)
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 2
Funding entity or bodies:
Universitat de Barcelona **Type of entity:** University
Start-End date: 01/09/2020 - 31/08/2021 **Duration:** 11 months - 30 days
Total amount: 3.594,64 €
- 34** **Name of the project:** Greenhabit: Embark on a ongoing journey to rule your health
Name principal investigator (PI, Co-PI....): Petia Radeva
Funding entity or bodies:
EIT Digital **Type of entity:** Not defined
Code according to the funding entity: EIT Digital IVZW
Start-End date: 01/10/2020 - 31/12/2020 **Duration:** 2 months - 30 days
Participating entity/entities: Departament de Matemàtiques i Informàtica
Total amount: 50.000 €
- 35** **Name of the project:** Greenhabit365
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 11
Funding entity or bodies:
Unió Europea **Type of entity:** Not defined
City funding entity: B-1048 Brussels, Belgium
Code according to the funding entity: 20646
Start-End date: 01/10/2020 - 31/12/2020 **Duration:** 2 months - 30 days
Total amount: 50.000 €
- 36** **Name of the project:** VIPO customers profiling system to improve the buying experience
Entity where project took place: Universitat de Barcelona **Type of entity:** University
Name principal investigator (PI, Co-PI....): Petia Radeva
Funding entity or bodies:
EIT Digital **Type of entity:** Not defined
Code according to the funding entity: EIT Digital IVZW
Start-End date: 01/02/2020 - 31/12/2020 **Duration:** 10 months - 30 days
Participating entity/entities: Departament de Matemàtiques i Informàtica
Total amount: 165.000 €

- 37** **Name of the project:** Future Skills for Digital Transformation (FutureSkillSet)
Entity where project took place: Universitat de Barcelona **Type of entity:** University
Name principal investigator (PI, Co-PI....): Petia Radeva
Funding entity or bodies: EIT Health **Type of entity:** Not defined
City funding entity: Munich, German Democratic Republic
Code according to the funding entity: EIT Health e.V.,
Start-End date: 01/01/2020 - 31/12/2020 **Duration:** 11 months - 30 days
Participating entity/entities: Facultat de Matemàtiques de la Universitat de Barcelona
Total amount: 102.186 €
- 38** **Name of the project:** Validation of an Innovative Dietary Intake Tool for Healthcare Implementation (VALIDITHI)
Entity where project took place: Universitat de Barcelona **Type of entity:** University
Name principal investigator (PI, Co-PI....): Petia Radeva
Funding entity or bodies: EIT Health **Type of entity:** Not defined
City funding entity: Munich, German Democratic Republic
Start-End date: 01/01/2020 - 31/12/2020 **Duration:** 11 months - 30 days
Participating entity/entities: Facultat de Matemàtiques de la Universitat de Barcelona
Total amount: 52.886 €
- 39** **Name of the project:** Validation of an Innovative Dietary Intake Tool for Healthcare Implementation (VALIDITHI)
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 9
Funding entity or bodies: Unió Europea **Type of entity:** Not defined
City funding entity: B-1048 Brussels, Belgium
Code according to the funding entity: 20675
Start-End date: 01/01/2020 - 31/12/2020 **Duration:** 11 months - 30 days
Total amount: 52.886 €
- 40** **Name of the project:** Future Skills for Digital Transformation (FutureSkillSet)
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia; Díaz Montesdeoca, Oliver Fernando
Nº of researchers: 4
Funding entity or bodies: Unió Europea **Type of entity:** Not defined
City funding entity: B-1048 Brussels, Belgium
Code according to the funding entity: 20425
Start-End date: 01/01/2020 - 31/12/2020 **Duration:** 11 months - 30 days
Total amount: 102.186 €
- 41** **Name of the project:** VIPO customers profiling system to improve the buying experience
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 11

**Funding entity or bodies:**

Unió Europea

Type of entity: Not defined**City funding entity:** B-1048 Brussels, Belgium**Code according to the funding entity:** 20299**Start-End date:** 01/01/2020 - 31/12/2020**Duration:** 11 months - 30 days**Total amount:** 165.000 €

- 42 Name of the project:** Atorgament d'un ajut de la convocatòria del Programa d'Intensificació de l'Activitat Investigadora Internacional (2019)

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia**Nº of researchers:** 2**Funding entity or bodies:**

Universitat de Barcelona

Type of entity: University**Start-End date:** 01/09/2019 - 31/08/2020**Duration:** 11 months - 30 days**Total amount:** 3.533,85 €

- 43 Name of the project:** Novel Empowering Solutions and Technologies for Older people to Retain Everyday life activities (NESTORE)

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia**Nº of researchers:** 9**Funding entity or bodies:**

Unió Europea

Type of entity: Not defined**City funding entity:** B-1048 Brussels, Belgium**Code according to the funding entity:** 769643**Start-End date:** 01/09/2017 - 31/08/2020**Duration:** 2 years - 11 months - 30 days**Total amount:** 186.625 €

- 44 Name of the project:** Validation of an Innovative Dietary Intake Tool for Healthcare Implementation

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia**Nº of researchers:** 10**Funding entity or bodies:**

Unió Europea

Type of entity: Not defined**City funding entity:** B-1048 Brussels, Belgium**Code according to the funding entity:** 19178**Start-End date:** 01/01/2019 - 31/12/2019**Duration:** 11 months - 30 days**Total amount:** 117.114 €

- 45 Name of the project:** Reconomiento visual con metodologías de aprendizaje de principio a fin: teoría y aplicaciones.

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia; Igual Muñoz, Laura**Nº of researchers:** 9**Funding entity or bodies:**

Ministerio de Economía y Competitividad

Type of entity: Not defined**Code according to the funding entity:** TIN2015-66951-C2-1-R**Start-End date:** 01/01/2016 - 31/12/2019**Duration:** 3 years - 11 months - 30 days**Total amount:** 91.355 €

- 46** **Name of the project:** Ajut per incentivar i consolidar la recerca d'excel·lència ja existent a les universitats públiques de Catalunya. Programa ICREA Academia 2014.
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 2
Funding entity or bodies:
Fundació Institució Catalana de Recerca i Estudis Avançats (ICREA) **Type of entity:** Not defined
City funding entity: 08010 Barcelona, Spain
Start-End date: 01/01/2015 - 31/12/2019 **Duration:** 4 years - 11 months - 30 days
Total amount: 200.000 €
- 47** **Name of the project:** Anàlisi automàtic de patrons en l'evolució dels estudis de Grau de la UB basat en ciències de dades i Big Data
Name principal investigator (PI, Co-PI....): Puertas Prats, Eloi
Nº of researchers: 11
Funding entity or bodies:
Institut de Ciències de l'Educació (ICE) - Universitat de Barcelona (UB) **Type of entity:** Not defined
Code according to the funding entity: REDICE18-2320
Start-End date: 13/07/2018 - 02/12/2019 **Duration:** 1 year - 4 months - 19 days
Total amount: 1.550 €
- 48** **Name of the project:** Data analytics i algorítmica [NEXTCARE]
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 1
Funding entity or bodies:
ACCIÓ. Agència de Suport a l'Empresa Catalana **Type of entity:** Not defined
City funding entity: Barcelona, Spain
Code according to the funding entity: COMRDI15-1-0016-00
Start-End date: 15/10/2016 - 14/10/2019 **Duration:** 2 years - 11 months - 29 days
Total amount: 16.000 €
- 49** **Name of the project:** Mención de Excelencia Maria de Maetzu al Barcelona Graduate School of Mathematics (BGSMath)
Name principal investigator (PI, Co-PI....): NOY SERRANO, MARCOS
Nº of researchers: 58
Funding entity or bodies:
Ministerio de Economía y Competitividad **Type of entity:** Not defined
Code according to the funding entity: MDM-2014-0445
Start-End date: 01/07/2015 - 30/06/2019 **Duration:** 3 years - 11 months - 29 days
Total amount: 2.000.000 €
- 50** **Name of the project:** RECONOCIMIENTO VISUAL CON METODOLOGIAS DE APRENDIZAJE DE PRINCIPIO A FIN: TEORIA Y APLICACIONES
Name principal investigator (PI, Co-PI....): Petia Radeva & Laura Igual
Funding entity or bodies:
Ministerio de Economía **Type of entity:** Not defined
Code according to the funding entity: TIN2015-66951-C2-1-R
Start-End date: 01/01/2016 - 31/12/2018 **Duration:** 2 years - 11 months - 30 days



Participating entity/entities: Universitat de Barcelona

Total amount: 75.500 €

51 Name of the project: Un sistema de reconocimiento automático de comida para instalaciones de catering (F2I-FVal-2017-011)

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 2

Funding entity or bodies:

Fundació Bosch i Gimpera de la Universitat de Barcelona

Type of entity: Not defined

City funding entity: 08028 Barcelona, Spain

Start-End date: 18/12/2017 - 17/12/2018

Duration: 11 months - 29 days

Total amount: 25.000 €

52 Name of the project: LogMeal: Un entorno basado en Visión por Computador para restaurantes inteligentes (F2I-MiR_2017_002)

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 2

Funding entity or bodies:

Fundació Bosch i Gimpera de la Universitat de Barcelona

Type of entity: Not defined

City funding entity: 08028 Barcelona, Spain

Start-End date: 09/02/2018 - 09/11/2018

Duration: 9 months

Total amount: 6.000 €

53 Name of the project: Subvenció per a la contractació d'investigadors dins del Programa Juan de la Cierva-Formació 2014

Name principal investigator (PI, Co-PI....): Remeseiro López, Beatriz

Nº of researchers: 2

Funding entity or bodies:

Ministerio de Economía y Competitividad

Type of entity: Not defined

Ministerio de Ciencia e Innovación (MICINN)

Type of entity: Not defined

City funding entity: Madrid, Spain

Code according to the funding entity: FJCI-2014-21194

Start-End date: 01/09/2016 - 31/08/2018

Duration: 1 year - 11 months - 30 days

Total amount: 50.000 €

54 Name of the project: Sistema intel·ligent de suport al Tutor d'estudis

Entity where project took place: Universitat de Barcelona

Type of entity: University

Name principal investigator (PI, Co-PI....): Laura Igual Muñoz

Funding entity or bodies:

Universitat de Barcelona

Type of entity: University

Code according to the funding entity: 2014PID-UB/068

Start-End date: 07/01/2015 - 29/01/2018

Duration: 3 years - 22 days

Participating entity/entities: sense especificar

Total amount: 3.600 €



- 55** **Name of the project:** Advanced Medical Imaging: Wireless endoscopy analysis
Name principal investigator (PI, Co-PI....): Petia Radeva
Funding entity or bodies:
Indian Institute of Technology **Type of entity:** Not defined
City funding entity: Delhi, India
Start-End date: 02/01/2018 - 06/01/2018 **Duration:** 4 days
Participating entity/entities: NIT Nagpur
Total amount: 8.000 €
- 56** **Name of the project:** Big data MOOC CrossKIC
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 1
Funding entity or bodies:
Unió Europea **Type of entity:** Not defined
City funding entity: B-1048 Brussels, Belgium
Code according to the funding entity: 17699
Start-End date: 01/01/2017 - 31/12/2017 **Duration:** 11 months - 30 days
Total amount: 5.000 €
- 57** **Name of the project:** Entrenament Cognitiu basat en records digitals per el Deteriorament Cognitiu Lleu (Re-memory)
Name principal investigator (PI, Co-PI....): GAROLERA FREIXA, MAITE
Nº of researchers: 2
Funding entity or bodies:
Fundació La Marató de TV3 **Type of entity:** Not defined
City funding entity: Esplugues de Llobregat (Barcelona), Spain
Start-End date: 01/01/2015 - 31/12/2017 **Duration:** 2 years - 11 months - 30 days
Total amount: 195.485,71 €
- 58** **Name of the project:** Anàlisi basat en ciència de les dades i aprenentatge automàtic pel descobriment automàtic de patrons d'evolució de l'alumnat.
Name principal investigator (PI, Co-PI....): Igual Muñoz, Laura
Nº of researchers: 7
Funding entity or bodies:
Institut de Ciències de l'Educació (ICE) - Universitat de Barcelona (UB) **Type of entity:** Not defined
Code according to the funding entity: REDICE16-1602
Start-End date: 30/06/2016 - 02/12/2017 **Duration:** 1 year - 5 months - 2 days
Total amount: 1.770,75 €
- 59** **Name of the project:** Real time monitoring of SEA contaminants by an autonomous Lab-on-a-chip biosensor (SEA-on-a-CHIP)
Name principal investigator (PI, Co-PI....): Lopez De Miguel, Manuel
Nº of researchers: 6
Funding entity or bodies:
Unió Europea **Type of entity:** Not defined
City funding entity: B-1048 Brussels, Belgium
Code according to the funding entity: 614168
Start-End date: 01/12/2013 - 31/05/2017 **Duration:** 3 years - 5 months - 30 days



Total amount: 379.925 €

60 Name of the project: Grup de Ciència de Dades de la Universitat de Barcelona (GCD@UB)
TECDTP15-1-0023

Name principal investigator (PI, Co-PI....): Vitria Marca, Jordi

Nº of researchers: 14

Funding entity or bodies:

ACCIÓ. Agència de Suport a l'Empresa Catalana

Type of entity: Not defined

City funding entity: Barcelona, Spain

Code according to the funding entity: TECDTP15-1-0023

Start-End date: 30/10/2015 - 01/05/2017

Duration: 1 year - 6 months - 1 day

Total amount: 48.750 €

61 Name of the project: Computer visión at the Universitat de Barcelona (CVUB)

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 17

Funding entity or bodies:

Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)

Type of entity: Not defined

City funding entity: 08003 Barcelona, Spain

Code according to the funding entity: 2014SGR1219

Start-End date: 01/01/2014 - 30/04/2017

Duration: 3 years - 3 months - 29 days

Total amount: 22.500 €

62 Name of the project: VISIONENET. RED ESPAÑOLA DE VISION POR COMPUTADOR

Entity where project took place: Universidad de León

Type of entity: Not defined

City of entity: León, Spain

Name principal investigator (PI, Co-PI....): Enrique Alegre

Funding entity or bodies:

Ministerio de Economía

Type of entity: Not defined

Code according to the funding entity: DPI2015-70704-REDT

Start-End date: 2015 - 2017

Duration: 2 years - 11 months - 30 days

Participating entity/entities: ESCUELA DE INGENIERIAS INDUSTRIAL E INFORMATICA

Total amount: 20.000 €

63 Name of the project: Ajuts per impulsar la participació en projectes internacionals de recerca (2015) en el marc del programa Horizon 2020 i altres programes europeus

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 2

Funding entity or bodies:

Universitat de Barcelona

Type of entity: University

Start-End date: 01/01/2015 - 31/12/2015

Duration: 11 months - 30 days

Total amount: 7.600 €

64 Name of the project: Ajuts per impulsar la participació en projectes internacionals de recerca (2015) en el marc del programa Horizon 2020 i altres programes europeus

Entity where project took place: Universitat de Barcelona

Type of entity: University

Name principal investigator (PI, Co-PI....): Petia Ivanova Radeva

**Funding entity or bodies:**

Universitat de Barcelona

Type of entity: University**Start-End date:** 01/01/2015 - 31/12/2015**Duration:** 11 months - 30 days**Participating entity/entities:** sense especificar**Total amount:** 7.600 €**65 Name of the project:** Revisiting representation models for visual recognition: Objects and Events**Name principal investigator (PI, Co-PI....):** Vitria Marca, Jordi**Nº of researchers:** 12**Funding entity or bodies:**

Ministerio de Economía y Competitividad

Type of entity: Not defined**Code according to the funding entity:** TIN2012-38187-C03-01**Start-End date:** 01/01/2013 - 31/12/2015**Duration:** 2 years - 11 months - 30 days**Total amount:** 114.660 €**66 Name of the project:** Ajuts per impulsar la participació en projectes internacionals de recerca (2014) en el marc del programa HORIZON 2020.**Name principal investigator (PI, Co-PI....):** Ivanova Radeva, Petia**Nº of researchers:** 2**Funding entity or bodies:**

Universitat de Barcelona

Type of entity: University**Start-End date:** 01/01/2014 - 31/12/2014**Duration:** 11 months - 30 days**Total amount:** 6.000 €**67 Name of the project:** Can a monitorizing wearable camera help change our lifestyle?**Entity where project took place:** Barcelona**Type of entity:** Not defined

Perceptual Computing Lab (BCNPCL)

City of entity: Barcelona, Spain**Name principal investigator (PI, Co-PI....):** Petia Ivanova Radeva**Funding entity or bodies:**

Fundació Jaume Casademont

Type of entity: Not defined**City funding entity:** Girona, Spain**Start-End date:** 01/06/2013 - 31/05/2014**Duration:** 11 months - 30 days**Participating entity/entities:** Facultat de Matemàtiques de la Universitat de Barcelona**Total amount:** 3.000 €**68 Name of the project:** Grup de reconeixement de formes i d'anàlisi d'imatges**Name principal investigator (PI, Co-PI....):** Ivanova Radeva, Petia**Nº of researchers:** 17**Funding entity or bodies:**

Agència de Gestió d'Ajuts Universitaris i de Recerca

Type of entity: Not defined

(AGAUR)

City funding entity: 08003 Barcelona, Spain**Code according to the funding entity:** 2009SGR696**Start-End date:** 03/07/2009 - 31/12/2013**Duration:** 4 years - 5 months - 28 days**Total amount:** 45.760,06 €



- 69** **Name of the project:** Anàlisi i propostes de millora dels graus dobles a la Facultat de Matemàtiques: Matemàtiques+ADE, Matemàtiques+Informàtica i Matemàtiques+Física.
Name principal investigator (PI, Co-PI....): Benseny Ardiaca, Antoni
Nº of researchers: 13
Funding entity or bodies:
 Institut de Ciències de l'Educació (ICE) - Universitat de Barcelona (UB) **Type of entity:** Not defined
Code according to the funding entity: REDICE-ACCIO-13-07
Start-End date: 20/06/2013 - 28/11/2013 **Duration:** 5 months - 8 days
Total amount: 1.000 €
- 70** **Name of the project:** Caracterización de la obesidad a través del análisis automático de imágenes de resonancia magnética funcional
Name principal investigator (PI, Co-PI....): Bosch Gual, Miquel
Nº of researchers: 7
Funding entity or bodies:
 Universitat de Barcelona **Type of entity:** University
Start-End date: 12/11/2012 - 11/11/2013 **Duration:** 11 months - 30 days
Total amount: 9.500 €
- 71** **Name of the project:** Anàlisi i propostes de millora dels graus dobles a la Facultat de Matemàtiques: Matemàtiques+ADE, Matemàtiques+Informàtica i Matemàtiques+Física.
Name principal investigator (PI, Co-PI....): Benseny Ardiaca, Antoni
Nº of researchers: 13
Funding entity or bodies:
 Institut de Ciències de l'Educació (ICE) - Universitat de Barcelona (UB) **Type of entity:** Not defined
Code according to the funding entity: REDICE12-1840-01
Start-End date: 27/11/2012 - 30/09/2013 **Duration:** 10 months - 3 days
Total amount: 1.300 €
- 72** **Name of the project:** Sistema automàtic d'assistència a la correcció d'exercicis de programació
Name principal investigator (PI, Co-PI....): Luis Garrido Ostermann
Funding entity or bodies:
 Universitat de Barcelona **Type of entity:** University
Code according to the funding entity: 2012PID-UB/082
Start-End date: 01/09/2012 - 31/08/2013 **Duration:** 11 months - 30 days
Participating entity/entities: Universitat de Barcelona
- 73** **Name of the project:** Ajut per a estada temporal de professors i investigadors de prestigi als grups de recerca (PIE-BKC 2013)
Name principal investigator (PI, Co-PI....): KUNCHEVA, LUDMILA
Nº of researchers: 2
Funding entity or bodies:
 Universitat de Barcelona **Type of entity:** University
Start-End date: 02/05/2013 - 09/05/2013 **Duration:** 7 days
Total amount: 3.000 €



74 Name of the project: X-QPA: a Quantitative X-Ray-based intraoperative myocardial re-Perfusion computer-assisted Analysis/diagnosis tool

Name principal investigator (PI, Co-PI....): Gatta, Carlo

Nº of researchers: 5

Funding entity or bodies:

Departament d'Innovació, Universitats i Empresa.

Type of entity: Not defined

Generalitat de Catalunya

City funding entity: Barcelona, Spain

Code according to the funding entity: 2010 VALOR 00158

Start-End date: 14/01/2011 - 13/01/2013

Duration: 1 year - 11 months - 30 days

Total amount: 76.005,58 €

75 Name of the project: Magnetic Nanoparticles for the Diagnosis and Treatment of Artherosclerotic (MAGATHERO)

Name principal investigator (PI, Co-PI....): Petia Ivanova Radeva

Funding entity or bodies:

Universitat de Barcelona

Type of entity: University

Start-End date: 01/01/2012 - 31/12/2012

Duration: 11 months - 30 days

Participating entity/entities: Universitat de Barcelona

Total amount: 3.500 €

76 Name of the project: Ajut per impulsar la participació en projectes internacionals de recerca

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 2

Funding entity or bodies:

Universitat de Barcelona

Type of entity: University

Start-End date: 01/09/2011 - 31/12/2012

Duration: 1 year - 3 months - 30 days

Total amount: 3.500 €

77 Name of the project: Acció integrada Hispano-Sèrbia

Name principal investigator (PI, Co-PI....): Balocco, Simone

Nº of researchers: 6

Funding entity or bodies:

Ministerio de Ciencia e Innovación (MICINN)

Type of entity: Not defined

City funding entity: Madrid, Spain

Code according to the funding entity: AIB2010SE-00210

Start-End date: 01/01/2011 - 31/12/2012

Duration: 1 year - 11 months - 30 days

Total amount: 8.000 €

78 Name of the project: Técnicas de Aprendizaje Automático para Sistemas de Visión de Gran Escala: Aplicaciones al Análisis de Imagen Médica

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 10

Funding entity or bodies:

Ministerio de Ciencia e Innovación (MICINN)

Type of entity: Not defined

City funding entity: Madrid, Spain

Code according to the funding entity: TIN2009-14404-C02-02

Start-End date: 01/01/2010 - 31/12/2012

Duration: 2 years - 11 months - 30 days

Total amount: 135.762 €

- 79** **Name of the project:** Multimodal Interaction in Pattern Recognition and Computer Vision
Name principal investigator (PI, Co-PI....): Vitria Marca, Jordi
Nº of researchers: 22
Funding entity or bodies:
Ministerio de Educación y Ciencia **Type of entity:** Not defined
Code according to the funding entity: CSD2007-00018
Start-End date: 01/10/2007 - 29/11/2012 **Duration:** 5 years - 1 month - 28 days
Total amount: 4.500.000 €
- 80** **Name of the project:** UB-ícate: fomentando la cultura matemática e informática entre los jóvenes
Name principal investigator (PI, Co-PI....): Puig Puig, Ana
Nº of researchers: 9
Funding entity or bodies:
FECYT - Fundación Española para la Ciencia y la Tecnología **Type of entity:** Not defined
City funding entity: 28020 Madrid, Spain
Code according to the funding entity: FCT-11-2725
Start-End date: 01/09/2011 - 28/07/2012 **Duration:** 10 months - 27 days
Total amount: 3.200 €
- 81** **Name of the project:** Oclusions totals cròniques d'artèries coronàries d'humans: des de la fisiopatologia a les implicacions clíniques de la recanalització amb èxit mitjançant intervenció coronària percutània
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 6
Funding entity or bodies:
Fundació La Marató de TV3 **Type of entity:** Not defined
City funding entity: Esplugues de Llobregat (Barcelona), Spain
Code according to the funding entity: 082131
Start-End date: 12/05/2009 - 12/05/2012 **Duration:** 3 years
Total amount: 110.000 €
- 82** **Name of the project:** La incidència de la variable 'motivació' en el constructe del transtorn per dèficit d'atenció amb hiperactivitat (TDAH)
Name principal investigator (PI, Co-PI....): Igual Muñoz, Laura
Nº of researchers: 7
Funding entity or bodies:
Universitat de Barcelona **Type of entity:** University
Start-End date: 09/05/2011 - 08/05/2012 **Duration:** 11 months - 29 days
Total amount: 15.915 €
- 83** **Name of the project:** Aprenentatge automàtic per intel·ligència ambiental
Name principal investigator (PI, Co-PI....): Petia Ivanova Radeva
Funding entity or bodies:
Barcelona Digital **Type of entity:** Not defined
Start-End date: 2012 - 2012 **Duration:** 11 months - 30 days
Participating entity/entities: FBG
Total amount: 24.914,33 €



- 84** **Name of the project:** Monsurin BI: Sistema Experto Basado en Señales Biomédicas
Name principal investigator (PI, Co-PI....): Vitria Marca, Jordi
Nº of researchers: 2
Funding entity or bodies: Ministerio de Industria, Turismo y Comercio **Type of entity:** Not defined
Code according to the funding entity: TSI-020302-2010-134
Start-End date: 01/01/2010 - 31/12/2011 **Duration:** 1 year - 11 months - 30 days
Total amount: 67.927 €
- 85** **Name of the project:** DISSENY I REALITZACIÓ D'UN PROGRAMA PILOT PER AL SEGUIMENT I L'AVUACIÓ DE L'APRENTATGE DELS TREBALLS FI DE CARRERA PER AL GRAU D'ENGINYERIA INFORMÀTICA.
Name principal investigator (PI, Co-PI....): Oriol Pujol Vila
Funding entity or bodies: Universitat de Barcelona **Type of entity:** University
Code according to the funding entity: 2009PID-UB/07
Start-End date: 10/01/2009 - 10/01/2010 **Duration:** 1 year
Participating entity/entities: Universitat de Barcelona
Total amount: 400 €
- 86** **Name of the project:** ANÀLISI I IMPLANTACIÓ DE LA METODOLOGIA D'APRENTATGE BASAT EN PROBLEMES A L'ASSIGNATURA DE PROGRAMACIÓ II DEL GRAU D'ENGINYERIA INFORMÀTICA.
Name principal investigator (PI, Co-PI....): Laura Igual Muñoz
Funding entity or bodies: Universitat de Barcelona **Type of entity:** University
Code according to the funding entity: 2009PID-UB/33
Start-End date: 10/01/2009 - 10/01/2010 **Duration:** 1 year
Participating entity/entities: Universitat de Barcelona
- 87** **Name of the project:** MILLORA DE L'EXPRESSIÓ ORAL D'ALUMNES DEL GRAU D'INFORMÀTICA VIA UN SISTEMA DE VISIÓ ARTIFICIAL
Name principal investigator (PI, Co-PI....): Sergio Escalera Guerrero
Funding entity or bodies: Universitat de Barcelona **Type of entity:** University
Code according to the funding entity: 2009PID-UB/04
Start-End date: 10/01/2009 - 10/01/2010 **Duration:** 1 year
Participating entity/entities: Universitat de Barcelona
Total amount: 3.600 €
- 88** **Name of the project:** Redinbio- Red Nacional de Bioinformàtica (National network for Bioinformatics)
Name principal investigator (PI, Co-PI....): Pere Caminal
Funding entity or bodies: FIS - Fondo de Investigación Sanitaria. Instituto de Salud Carlos III **Type of entity:** Not defined
Start-End date: 2009 - 2010 **Duration:** 1 year - 11 months - 30 days
Participating entity/entities: Centre de Visió per Computador CVC

- 89** **Name of the project:** Sistema Experto basado en Señales Biométricas
Name principal investigator (PI, Co-PI....): Vitria Marca, Jordi
Nº of researchers: 4
Funding entity or bodies:
Ministerio de Industria, Turismo y Comercio **Type of entity:** Not defined
Code according to the funding entity: TSI-020302-2008-38
Start-End date: 01/01/2008 - 31/12/2009 **Duration:** 1 year - 11 months - 30 days
Total amount: 155.037 €
- 90** **Name of the project:** Caracterización de la placa mediante Análisis por Visión Artificial a partir de imágenes de ecografía infracoronaria
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 6
Funding entity or bodies:
Ministerio de Sanidad y Consumo **Type of entity:** Not defined
Code according to the funding entity: PI061290
Start-End date: 01/01/2007 - 31/12/2009 **Duration:** 2 years - 11 months - 30 days
Total amount: 77.440 €
- 91** **Name of the project:** Reconeixement de Formes i d'Anàlisi d'Imatges (CVC)
Name principal investigator (PI, Co-PI....): Vitria Marca, Jordi
Nº of researchers: 2
Funding entity or bodies:
Departament d'Universitats, Recerca i Societat de la Informació (Generalitat de Catalunya) DURSI **Type of entity:** Not defined
Code according to the funding entity: 2005SGR450
Start-End date: 01/01/2005 - 31/12/2009 **Duration:** 4 years - 11 months - 30 days
- 92** **Name of the project:** MAMIM: Modelos de aprendizaje multiarea para el análisis de imagen médica
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 8
Funding entity or bodies:
Ministerio de Educación y Ciencia **Type of entity:** Not defined
Code according to the funding entity: TIN2006-15308-C02-02
Start-End date: 01/10/2006 - 30/09/2009 **Duration:** 2 years - 11 months - 29 days
Total amount: 127.050 €
- 93** **Name of the project:** Programació dels graus de la Facultat de Matemàtiques de la UB (Pla 2009)
Name principal investigator (PI, Co-PI....): Maria Carmen Cascante Canut
Funding entity or bodies:
Universitat de Barcelona **Type of entity:** University
Code according to the funding entity: 2008PID-UB/006
Start-End date: 10/01/2008 - 10/02/2009 **Duration:** 1 year - 1 month
Participating entity/entities: Universitat de Barcelona
Total amount: 6.000 €
- 94** **Name of the project:** Sistema para la detección y localización automática de señales de tráfico e hitos kilométricos (System for detection and automatic localization of traffic signals)
Name principal investigator (PI, Co-PI....): Petia Radeva

**Funding entity or bodies:**

Ministerio de Ciencia e Innovación (MICINN)

Type of entity: Not defined**City funding entity:** Madrid, Spain**Code according to the funding entity:** PETRI PTR 1995-0983-OP**Start-End date:** 2006 - 2007**Duration:** 1 year - 11 months - 30 days**Participating entity/entities:** Centre de Visió per Computador CVC**Total amount:** 30.000 €

- 95 Name of the project:** Experiencia de aplicación de la metodología de aprendizaje por proyectos en asignaturas de Ingeniería Informática para una mejor adaptación a los créditos ECTS y al Espacio Europeo de Educación (Experience on application of learning methodology to projects in Computer Science for an improved adaptation to the ECTS credits)

Name principal investigator (PI, Co-PI....): Enric Martí**Funding entity or bodies:**

Departament d'Universitats, Recerca i Societat de la Informació (Generalitat de Catalunya) DURSI

Type of entity: Not defined**Start-End date:** 2005 - 2006**Duration:** 1 year - 11 months - 30 days**Participating entity/entities:** Centre de Visió per Computador CVC

- 96 Name of the project:** Video Avatar 3G: Procesado de videollamada UMTS mediante software de detección de caras y síntesis de avatares en situación de los personajes originales (Videocalls UMTS processing by software based on face detection and avateurs synthesis in cases of original persons)

Name principal investigator (PI, Co-PI....): JOrdi Vitria**Funding entity or bodies:**

PROFIT

Type of entity: Not defined**Code according to the funding entity:** FIT-350200-2005-92**Start-End date:** 2005 - 2006**Duration:** 1 year - 11 months - 30 days**Participating entity/entities:** Centre de Visió per Computador CVC

- 97 Name of the project:** Functional Imaging and Modeling of the Heart

Name principal investigator (PI, Co-PI....): Petia Radeva**Funding entity or bodies:**

CICYT-ACES-TSI2004-21320-E

Type of entity: Not defined**Start-End date:** 2005 - 2005**Duration:** 11 months - 30 days**Participating entity/entities:** Centre de Visió per Computador CVC

- 98 Name of the project:** Collaboration between CVC and Wales University, Bangor, United Kingdom

Name principal investigator (PI, Co-PI....): Petia Radeva**Funding entity or bodies:**

Departament d'Universitats, Recerca i Societat de la Informació (Generalitat de Catalunya) DURSI

Type of entity: Not defined**Start-End date:** 2004 - 2005**Duration:** 1 year - 11 months - 30 days**Participating entity/entities:** Centre de Visió per Computador CVC

- 99 Name of the project:** IM3. Imagen médica molecular y multimodal, análisis y tratamiento de imagen médica (Molecular and multimodal medical image analysis and treatment)

Name principal investigator (PI, Co-PI....): Petia Radeva**Funding entity or bodies:**

Ministerio de Sanidad y Consumo

Type of entity: Not defined



Code according to the funding entity: G03/185

Start-End date: 2003 - 2005

Duration: 2 years - 11 months - 30 days

Participating entity/entities: Centre de Visió per Computador CVC

100 Name of the project: Aplicación de la Visión por Computador a Ecografías Infracoronarias y Angiografías: Reconstrucción tridimensional de la anatomía coronaria y caracterización de la placa (Application of Computer Vision to IVUS and Angiography: 3D Reconstruction of Coronary Anatomy and Plaque Characterization)

Name principal investigator (PI, Co-PI....): Petia Radeva

Funding entity or bodies:

FIS - Fondo de Investigación Sanitaria. Instituto de Salud Carlos III

Type of entity: Not defined

Start-End date: 2003 - 2005

Duration: 2 years - 11 months - 30 days

Participating entity/entities: Centre de Visió per Computador CVC

101 Name of the project: IVAM-Interfaces de Visión para Entornos Médicos (Vision interfaces for medical environments)

Name principal investigator (PI, Co-PI....): Jordi Vitrià

Funding entity or bodies:

CICYT-TIC2003-00654

Type of entity: Not defined

Start-End date: 2003 - 2005

Duration: 2 years - 11 months - 30 days

Participating entity/entities: Centre de Visió per Computador CVC

102 Name of the project: CorkInspect

Name principal investigator (PI, Co-PI....): Petia Radeva

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología (CICYT)

Type of entity: Not defined

Code according to the funding entity: TIC2002-10555-E

Start-End date: 2003 - 2004

Duration: 1 year - 11 months - 30 days

Participating entity/entities: Centre de Visió per Computador CVC

103 Name of the project: CorkInspect

Name principal investigator (PI, Co-PI....): Petia Radeva

Funding entity or bodies:

Unió Europea

Type of entity: Not defined

City funding entity: B-1048 Brussels, Belgium

Start-End date: 2002 - 2003

Duration: 1 year - 11 months - 30 days

Participating entity/entities: Centre de Visió per Computador CVC

104 Name of the project: Intelligent Human-Machine Interface for a Cardiological CAD System

Name principal investigator (PI, Co-PI....): Juan José Villanueva

Funding entity or bodies:

MAE

Type of entity: Not defined

Start-End date: 2002 - 2003

Duration: 1 year - 11 months - 30 days

Participating entity/entities: Centre de Visió per Computador CVC

105 Name of the project: Modelado Tridimensional y Simulación de las Arterias (Tridimensional modeling and simulation of arteries)

Name principal investigator (PI, Co-PI....): Francisco Serron(IPZ)/Petia Radeva (CVC)

Funding entity or bodies:

Ministerio de Ciencia y Tecnología

Type of entity: Not defined

Code according to the funding entity: TIC2000-1635-C04-04

Start-End date: 2000 - 2003

Duration: 3 years - 11 months - 30 days

Participating entity/entities: Centre de Visió per Computador CVC

106 Name of the project: Modelos deformables para el procesamiento inteligente y fusión de imágenes (Deformable models for intelligent processing and image fusion)

Name principal investigator (PI, Co-PI....): Juan Jose Villanueva

Funding entity or bodies:

Ministerio de Educación

Type of entity: Not defined

Code according to the funding entity: TIC98-1100

Start-End date: 1998 - 2000

Duration: 2 years - 11 months - 30 days

Participating entity/entities: Centre de Visió per Computador CVC

R&D non-competitive contracts, agreements or projects with public or private entities

1 Name of the project: License agreement

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

AIGECKO Technologies, S.L.

Type of entity: Not defined

Code according to the funding entity: 311732

Start date: 11/05/2022

Duration: 4 years - 11 months - 29 days

2 Name of the project: Greenhabit: Embark on a ongoing journey to rule your health

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Petia Radeva

Participating entity/entities: Departament de Matemàtiques i Informàtica

Funding entity or bodies:

EIT Digital

Type of entity: Not defined

Code according to the funding entity: EIT Digital IVZW

Start date: 01/01/2021

Duration: 8 months - 29 days

Total amount: 177.500 €

3 Name of the project: Assessorament i investigació aplicada en el camp de la visió artificial

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

Diversos

Type of entity: Not defined

City funding entity: 00000 Barcelona, Spain

Code according to the funding entity: 308529

Start date: 01/01/2021

Duration: 11 months - 30 days



Total amount: 3.621,25 €

4 Name of the project: Licencia de tecnología

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 2

Funding entity or bodies:

AIGECKO Technologies, S.L.

Type of entity: Not defined

Code according to the funding entity: 311052

Start date: 29/12/2020

Duration: 7 years - 11 months - 29 days

Total amount: 115,68 €

5 Name of the project: Licencia de tecnología

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 2

Funding entity or bodies:

AIGECKO Technologies, S.L.

Type of entity: Not defined

Code according to the funding entity: 311053

Start date: 29/12/2020

Duration: 9 years - 11 months - 29 days

6 Name of the project: Agreement of license of use of software

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 2

Funding entity or bodies:

Shuang Chen

Type of entity: Not defined

Code according to the funding entity: 311075

Start date: 23/12/2020

Duration: 10 months - 30 days

Total amount: 30 €

7 Name of the project: Agreement of license of use of software

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 2

Funding entity or bodies:

ANH VY LE

Type of entity: Not defined

Code according to the funding entity: 311045

Start date: 30/11/2020

Duration: 11 months - 30 days

8 Name of the project: Agreement of license of use of software

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 2

Funding entity or bodies:

Tkachenko Dmitrii

Type of entity: Not defined

Code according to the funding entity: 311041

Start date: 15/10/2020

Duration: 11 months - 29 days



Total amount: 450 €

- 9** **Name of the project:** Licensee oriented software License Agreement
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 1
Funding entity or bodies:
Motiv Ate **Type of entity:** Not defined
Code according to the funding entity: 310919
Start date: 29/09/2020 **Duration:** 9 years - 11 months - 30 days
- 10** **Name of the project:** Agreement of license of use of software
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 2
Funding entity or bodies:
Motiv Ate **Type of entity:** Not defined
Code according to the funding entity: 310851
Start date: 25/09/2020 **Duration:** 11 months - 30 days
- 11** **Name of the project:** Ciencia de datos para la Optimización de la Planificación de la temporada deportista
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Universitat de Barcelona **Type of entity:** University
Name principal investigator (PI, Co-PI....): Petia Radeva
Participating entity/entities: Facultat de Matemàtiques de la Universitat de Barcelona
Funding entity or bodies:
Atos Origin, SAE **Type of entity:** Not defined
City funding entity: Madrid, Spain
Start date: 15/01/2020 **Duration:** 10 months - 15 days
Total amount: 32.000 €
- 12** **Name of the project:** Ciencia de datos para la Optimización de la Planificación de la temporada deportista
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 1
Funding entity or bodies:
MSL Technology, SL **Type of entity:** Not defined
City funding entity: Madrid 28037, Spain
Code according to the funding entity: 310603
Start date: 15/01/2020 **Duration:** 10 months - 15 days
Total amount: 32.000 €
- 13** **Name of the project:** Assessorament i investigació aplicada en el camp de la visió artificial
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 1
Funding entity or bodies:
Diversos **Type of entity:** Not defined



City funding entity: 00000 Barcelona, Spain

Code according to the funding entity: 308529

Start date: 01/01/2020

Duration: 11 months - 30 days

Total amount: 4.890 €

- 14 Name of the project:** Assessorament per a realitzar una diagnosi que permeti identificar oportunitats tecnològiques que estiguin alineades amb l'estratègia de negoci de l'empresa

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

Abante & Pongiluppi, S.L.

Type of entity: Not defined

City funding entity: Sant Cugat del Vallès, Spain

Code according to the funding entity: 311226

Start date: 01/01/2020

Duration: 1 year - 10 months - 29 days

Total amount: 8.000 €

- 15 Name of the project:** Aplicación de la tecnología LogMeal©UB para la construcción automática de diarios de comida de pacientes de Diabetes

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

Pulso ediciones

Type of entity: Not defined

Code according to the funding entity: 310592

Start date: 15/12/2019

Duration: 11 months - 29 days

Total amount: 12.000 €

- 16 Name of the project:** Aplicación de la tecnología LogMeal©UB para reconocer automáticamente alimentos mediante fotografías

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

Fundació Eurecat

Type of entity: Not defined

City funding entity: Barcelona, Spain

Code according to the funding entity: 310301

Start date: 01/04/2019

Duration: 8 months - 30 days

Total amount: 18.000 €

- 17 Name of the project:** Aplicación de la tecnología LogMeal©UB para la construcción automática de diarios de comida de pacientes de Diabetes

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

Pulso ediciones

Type of entity: Not defined

Code according to the funding entity: 310001

Start date: 04/10/2018

Duration: 11 months - 29 days



Total amount: 30.000 €

18 Name of the project: Instalación de un sistema piloto de reconocimiento de bandejas

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

SERUNION, S.A.

Type of entity: Not defined

City funding entity: Barcelona 08029, Spain

Code according to the funding entity: 309860

Start date: 29/05/2018

Duration: 1 year - 29 days

Total amount: 8.000 €

19 Name of the project: Desarrollo de un sistema de tele-asistencia y tele-rehabilitación basado en actividades de la vida diaria

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

Fundació Eurecat

Type of entity: Not defined

City funding entity: Barcelona, Spain

Code according to the funding entity: 309122

Start date: 01/01/2017

Duration: 4 months - 30 days

Total amount: 20.000 €

20 Name of the project: Conveni de col·laboració en el projecte CLICK (Carotid qualitative Imaging and cardiovascular risk)

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Igual Muñoz, Laura

Nº of researchers: 2

Funding entity or bodies:

Instituto Hospital del Mar de Investigaciones Médicas (IMIM) **Type of entity:** Not defined

Institut de Recerca Biomèdica de Lleida

Type of entity: Not defined

City funding entity: 25198 Lleida, Spain

Start date: 22/12/2016

Duration: 1 year - 6 months - 8 days

21 Name of the project: Data analytics i algorítmica [NEXTCARE]

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

Fundació Eurecat

Type of entity: Not defined

City funding entity: Barcelona, Spain

Code according to the funding entity: 309227

Start date: 15/10/2016

Duration: 11 months - 29 days

Total amount: 16.000 €



22 **Name of the project:** Desarrollo de un sistema de tele-asistencia y tele-rehabilitación basado en actividades de la vida diaria

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

Fundació Eurecat

Type of entity: Not defined

City funding entity: Barcelona, Spain

Code according to the funding entity: 308710

Start date: 01/03/2016

Duration: 9 months - 30 days

Total amount: 20.000 €

23 **Name of the project:** Assessorament i investigació aplicada en el camp de la visió artificial

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

Diversos

Type of entity: Not defined

City funding entity: 00000 Barcelona, Spain

Code according to the funding entity: 308529

Start date: 03/11/2015

Duration: 1 month - 28 days

Total amount: 1.408,61 €

24 **Name of the project:** Mejora y ampliación del sistema inteligente de telemonitorización

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

Fundació Eurecat

Type of entity: Not defined

City funding entity: Barcelona, Spain

Code according to the funding entity: 308455

Start date: 01/10/2015

Duration: 10 months - 14 days

Total amount: 12.000 €

25 **Name of the project:** Evaluation of Intestinal Motility by Endoluminal Image Analysis

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

Given Imaging Ltd.

Type of entity: Not defined

Code according to the funding entity: 308158

Start date: 01/01/2015

Duration: 5 months - 29 days

Total amount: 8.747,67 €

26 **Name of the project:** Evaluation of Intestinal Motility by Endoluminal Image Analysis

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Petia Ivanova Radeva

Participating entity/entities: Universitat de Barcelona

Funding entity or bodies:



Given Imaging Ltd.

Type of entity: Not defined

Code according to the funding entity: 308158

Start date: 01/01/2015

Duration: 5 months - 29 days

Total amount: 8.747,67 €

27 Name of the project: Contrato de transferencia de tecnología software ADIBAS

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Escalera Guerrero, Sergio

Nº of researchers: 2

Funding entity or bodies:

Physicaltech S.L.

Type of entity: Not defined

Code according to the funding entity: 307878

Start date: 18/06/2014

Duration: 9 years - 11 months - 30 days

Total amount: 5.964,6 €

28 Name of the project: Contrato de transferencia de tecnología software ADIBAS

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Sergio Escalera Guerrero

Participating entity/entities: Universitat de Barcelona

Funding entity or bodies:

Physicaltech S.L.

Type of entity: Not defined

Code according to the funding entity: 307878

Start date: 18/06/2014

Duration: 9 years - 11 months - 30 days

Total amount: 2.000 €

29 Name of the project: Evaluation of Intestinal Motility by Endoluminal Image Analysis

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

Given Imaging Ltd.

Type of entity: Not defined

Code according to the funding entity: 307841

Start date: 01/01/2014

Duration: 11 months - 30 days

Total amount: 37.440 €

30 Name of the project: Quantification of stented bifurcations

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Petia Radeva

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

FUNDACION BURGOS POR LA INVESTIGACIÓN
DE LA SALUD

Type of entity: Not defined

Start date: 21/11/2013

Duration: 6 months - 10 days

Total amount: 7.272,73 €

31 Name of the project: Aprenentatge automàtic per intel·ligència ambiental

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia



Nº of researchers: 2

Funding entity or bodies:

Fundació Privada Barcelona Digital Centre
Tecnològic

Type of entity: Not defined

Code according to the funding entity: 307262

Start date: 29/04/2013

Duration: 11 months - 30 days

Total amount: 17.000 €

32 Name of the project: realització d'una aplicació d'anàlisi de vídeos endoscòpics

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 5

Funding entity or bodies:

Hospital General de la 'Vall d'Hebron'

Type of entity: Not defined

City funding entity: 08035 Barcelona, Spain

Code according to the funding entity: 307122

Start date: 01/12/2012

Duration: 3 months - 14 days

Total amount: 2.000 €

33 Name of the project: Polyp Detection

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Petia Radeva

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

Given Imaging Ltd.

Type of entity: Not defined

Start date: 15/11/2012

Duration: 11 months - 30 days

Total amount: 70.736,96 €

34 Name of the project: mHealth: Recerca per la personalització de la salut amb aplicacions mòbils

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Petia Radeva

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

Fundació Barcelona Digital

Type of entity: Not defined

City funding entity: 08018 Barcelona, Spain

Start date: 15/09/2012

Duration: 11 months - 30 days

35 Name of the project: Study for the development of a polyp detection algorithm under a Polyp Detection

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Vitria Marca, Jordi

Nº of researchers: 4

Funding entity or bodies:

Given Imaging Ltd.

Type of entity: Not defined

Code according to the funding entity: 306990

Start date: 01/09/2012

Duration: 1 year - 11 months - 30 days

Total amount: 6.121 €



- 36** **Name of the project:** Sponsored Research Agreement on Automatic Stent Detection in IVUS
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 3
Funding entity or bodies:
Boston Scientific
City funding entity: Natick, United States of America
Type of entity: Not defined
Code according to the funding entity: 307003
Start date: 31/07/2012
Duration: 1 year - 5 months
Total amount: 39.918,2 €
- 37** **Name of the project:** Evaluation of Intestinal Motility by Endoluminal Image Analysis
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 3
Funding entity or bodies:
Given Imaging Ltd.
Type of entity: Not defined
Code according to the funding entity: 306888
Start date: 01/01/2012
Duration: 1 year - 11 months - 30 days
Total amount: 74.880 €
- 38** **Name of the project:** Aprenentatge automàtic per intel·ligència ambiental
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 2
Funding entity or bodies:
Fundació Privada Barcelona Digital Centre
Tecnològic
Type of entity: Not defined
Code according to the funding entity: 306718
Start date: 01/01/2012
Duration: 11 months - 30 days
Total amount: 24.914,33 €
- 39** **Name of the project:** E.I.A. SOFTWARE ALGORITHM
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Petia Radeva
Participating entity/entities: Centre de Visió per Computador CVC
Funding entity or bodies:
Given Imaging Ltd.
Type of entity: Not defined
Start date: 01/01/2012
Duration: 1 year - 11 months - 30 days
Total amount: 150.000 €
- 40** **Name of the project:** Contribució al desenvolupament d'arquitectures Middleware per escenaris de vida assistida per l'ambient
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Petia Radeva
Participating entity/entities: Centre de Visió per Computador CVC
Funding entity or bodies:
Centre de Visió per Computador CVC
Type of entity: Not defined
Start date: 2012
Duration: 1 year - 11 months - 30 days

Total amount: 24.000 €

- 41 Name of the project:** Aplicació per la visualització avançada de la perfusió miocàrdica en seqüències d'angiografia basada en tècniques de Visió per Computador.
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 1
Funding entity or bodies:
Hospital Germans Trias i Pujol
City funding entity: 08916 Barcelona, Spain
Type of entity: Not defined
Code according to the funding entity: 306284
Start date: 02/11/2010
Duration: 5 months - 29 days
Total amount: 6.000 €
- 42 Name of the project:** Integració del sistema informàtic de casos d'anàlisi de la perfusió miocàrdica amb els equips de l'hospital afegint un mòdul d' anotació supervisada
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 1
Funding entity or bodies:
Hospital Germans Trias i Pujol
City funding entity: 08916 Barcelona, Spain
Type of entity: Not defined
Code according to the funding entity: 306285
Start date: 02/11/2010
Duration: 5 months - 29 days
Total amount: 6.000 €
- 43 Name of the project:** Un sistema informàtic per l'adquisició i gestió de casos clínics amb diferents graus de perfusió miocàrdica (Myocardial Blush Grade) segons el protocol definit per l'equip mèdic de la Unitat d'Hemodinàmica del HUGTP
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 1
Funding entity or bodies:
Hospital Germans Trias i Pujol
City funding entity: 08916 Barcelona, Spain
Type of entity: Not defined
Code according to the funding entity: 306164
Start date: 01/07/2010
Duration: 2 months - 29 days
Total amount: 6.000 €
- 44 Name of the project:** Lumen Border Detection. Research activities based on pre-determined, prioritized list of IVUS-Related research topic of interest of BSS.
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia
Nº of researchers: 7
Funding entity or bodies:
Boston Scientific
City funding entity: Natick, United States of America
Type of entity: Not defined
Code according to the funding entity: 306057
Start date: 15/04/2010
Duration: 1 year - 8 months - 16 days



Total amount: 163.289,64 €

45 Name of the project: Evaluation of intestinal motility by endoluminal image analysis

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 5

Funding entity or bodies:

Given Imaging Ltd.

Type of entity: Not defined

Code according to the funding entity: 306143

Start date: 01/01/2010

Duration: 1 year - 11 months - 30 days

Total amount: 45.773,33 €

46 Name of the project: Transferencia Tecnológica sobre Fusión Multimodal de Imágenes IVUS entre Boston Scientific Iberica, el Centre de Visió per Computador y el Hospital Universitari 'Germans Trias i Pujol'-Badalona.

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia

Nº of researchers: 1

Funding entity or bodies:

Boston Scientific

Type of entity: Not defined

City funding entity: Natick, United States of America

Hospital Germans Trias i Pujol

Type of entity: Not defined

City funding entity: 08916 Barcelona, Spain

Code according to the funding entity: BSCI09

Start date: 01/01/2009

Duration: 1 year - 11 months - 30 days

Total amount: 100.000 €

47 Name of the project: Segmentació de parlants del llenguatge de signes

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Vitria Marca, Jordi

Nº of researchers: 2

Funding entity or bodies:

Fundació CIM

Type of entity: Not defined

Start date: 01/01/2009

Duration: 6 months

Total amount: 18.000 €

48 Name of the project: Motility Analysis in Wireless Endoscopy

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): AZPIROZ, FERNANDO

Nº of researchers: 3

Funding entity or bodies:

Given Imaging Ltd.

Type of entity: Not defined

Code according to the funding entity: GivenImaging

Start date: 01/01/2008

Duration: 1 year - 11 months - 30 days

Total amount: 144.000 €

49 Name of the project: Sistema per aplicar tècniques de visió per computador per a la detecció i reconeixement de senyals d'estacionament en zones urbanes (senyals de gual) i per a la identificació de textos de senyals de trànsit i panells informatius de les imatges adquirides amb el sistema Geomòbil



Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Ivanova Radeva, Petia; Vitria Marca, Jordi

N° of researchers: 2

Funding entity or bodies:

Institut Cartogràfic de Catalunya

Type of entity: Not defined

City funding entity: Barcelona, Spain

Start date: 15/09/2007

Duration: 7 months - 29 days

Total amount: 41.760 €

- 50 Name of the project:** Feasibility study on the Quality of IVUS images - Comparison between iLab and Volcano IVUS Data based on Image Reconstruction from Radio Frequency Analysis

Degree of contribution: Others

Name principal investigator (PI, Co-PI....): Petia Radeva

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

Boston Scientific

Type of entity: Not defined

City funding entity: Natick, United States of America

Start date: 2007

Duration: 11 months - 30 days

- 51 Name of the project:** Estudio de viabilidad de un sistema basado en visión por computador para el análisis de señales de tráfico en imágenes adquiridas con un Geovan. (Feasibility study for a computer vision system for analysis of traffic signals)

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Petia Radeva, Jordi Vitrià

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

ICC

Type of entity: Not defined

Start date: 2005

Duration: 11 months - 30 days

Total amount: 12.000 €

- 52 Name of the project:** Análisis de imágenes endoluminales (IE) obtenidas mediante una cápsula endoscópica II (Analysis of endoluminal images acquired by a wireless capsule)

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Petia Radeva, Jordi Vitrià

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

Given Imaging Ltd.

Type of entity: Not defined

Start date: 2005

Duration: 11 months - 30 days

Total amount: 10.000 €

- 53 Name of the project:** Convenio de colaboración entre La catedra de cardiología clínica de laUAB - Hospital Sant Pau y el CVC (Research agreement between clinical cardiology division of UAB, of Hospital Sant Pau and CVC).

Degree of contribution: Others

Name principal investigator (PI, Co-PI....): Petia Radeva

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

Fundació de Gestió Sanitària Hospital Santa Creu i Sant Pau

Type of entity: Not defined



Start date: 2005
Total amount: 6.400 €

Duration: 1 year - 11 months - 30 days

- 54 Name of the project:** Aplicación del Análisis por Computadora en la valoración de la microcirculación coronaria mediante el Myocardial Blush Grade (Application of Computer Analysis to estimate Coronary Microcirculation by Myocardial Blush Grade)

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Petia Radeva

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

Laboratorios Farmacéuticos Lilly, S.A.

Type of entity: Not defined

City funding entity: ALCOBENDAS (MADRID), Spain

Start date: 2004

Duration: 1 year - 11 months - 30 days

Total amount: 12.000 €

- 55 Name of the project:** Convenio de colaboración entre Guidant, el Centre de Visió per Computador y el Hospital Universitari Germans Trias i Pujol, Badalona (Research agreement between Guidant, Centre de Visió per Computador and Hospital Universitari Germans Trias i Pujol)

Degree of contribution: Others

Name principal investigator (PI, Co-PI....): Petia Radeva

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

Guiden Europe a Boston Scientific company NV

Type of entity: Not defined

Start date: 2003

Duration: 1 year - 11 months - 30 days

Total amount: 12.000 €

- 56 Name of the project:** Convenio de colaboración entre Boston Scientific Iberica, el Centre de Visió per Computador y el Hospital Universitari 'Germans Trias i Pujol' - Badalona. (Research agreement between Boston Scientific Iberica, Centre de Visió per Computador and Hospital Universitari 'Germans Trias i Pujol' - Badalona)

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Petia Radeva

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

Boston Scientific

Type of entity: Not defined

City funding entity: Natick, United States of America

Start date: 2002

Duration: 2 years - 11 months - 30 days

Total amount: 47.400 €

- 57 Name of the project:** Sistemas de visión por computador para el asesoramiento sobre sistemas de reconocimiento biométrico de personas (Computer Vision System for assessment of biometric person recognition)

Degree of contribution: Others

Name principal investigator (PI, Co-PI....): Jordi Vitrià, Petia Radeva

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

Caixa d'Estalvis i Pensions de Barcelona. 'La Caixa'

Type of entity: Not defined

Start date: 2002

Duration: 1 year - 11 months - 30 days

Total amount: 30.050 €



- 58** **Name of the project:** Convenio de colaboración entre Boston Scientific Iberica, el Centre de Visió per Computador y el Hospital Universitari 'Germans Trias i Pujol' - Badalona. (Research agreement between Boston Scientific Iberica, Centre de Visió per Computador and Hospital Universitari 'Germans Trias i Pujol' - Badalona)
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Petia Radeva
Participating entity/entities: Centre de Visió per Computador CVC
Funding entity or bodies:
 Boston Scientific **Type of entity:** Not defined
City funding entity: Natick, United States of America
Start date: 2001 **Duration:** 1 year - 11 months - 30 days
- 59** **Name of the project:** Estudio de viabilidad de un sistema basado en visión por computador para la realización de un estudio de aplicabilidad de algoritmos de visión artificial a la extracción de información de imágenes pancromáticas y multispectrales (Feasibility study of a computer vision system to be applied to the information extraction of panchromatic and spectral images).
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Petia Radeva
Participating entity/entities: Centre de Visió per Computador CVC
Funding entity or bodies:
 Instituto Cartográfico de Cataluña es un centro sin ánimo de lucro que se encarga de la cartografía en Cataluña. **Type of entity:** Not defined
Start date: 2001 **Duration:** 11 months - 30 days
Total amount: 15.000 €
- 60** **Name of the project:** Convenio para la realización de un estudio de viabilidad entre el Centro de Visión por Computador y La Caixa - Biometrix (Research agreement for a feasibility study between CVC and La Caixa)
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Jordi Vitrià, Petia Radeva
Participating entity/entities: Centre de Visió per Computador CVC
Funding entity or bodies:
 Caixa d'Estalvis i Pensions de Barcelona. 'La Caixa' **Type of entity:** Not defined
Start date: 2001 **Duration:** 1 year - 11 months - 30 days
Total amount: 45.928 €
- 61** **Name of the project:** Convenio de colaboración entre Boston Scientific Iberica, el Centre de Visió per Computador y el Hospital Universitari 'Germans Trias i Pujol' - Badalona. (Research agreement between Boston Scientific Iberica, Centre de Visió per Computador and Hospital Universitari 'Germans Trias i Pujol' - Badalona)
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Petia Radeva
Participating entity/entities: Centre de Visió per Computador CVC
Funding entity or bodies:
 Boston Scientific **Type of entity:** Not defined
City funding entity: Natick, United States of America
Start date: 2000 **Duration:** 1 year - 11 months - 30 days



62 Name of the project: Inspección de pantallas SMD. (Inspection of screens with technology SMD)

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Petia Radeva

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

Pantur SL, Sabadell es una pequeña empresa dedicada a la electrónica.

Type of entity: Not defined

Start date: 1999

Duration: 2 years - 11 months - 30 days

Total amount: 4.000 €

63 Name of the project: Contrato de colaboración entre la empresa Juan Rich Xiberta S.A: y el Centre de Visión por Computador - Elaboración de un software de visión por ordenador para el control y clasificación de tapones de corcho (Research agreement between Xiberta and CVC - Computer Vision Software for control and classification of cork stoppers)

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Petia Radeva

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

Xiberta SL, Caldes de Malvella, es una mediana empresa dedicada a la producción de tapones de corcho.

Type of entity: Not defined

Start date: 1998

Duration: 1 year - 11 months - 30 days

Total amount: 8.000 €

64 Name of the project: Sistema de inspección de blisters por Visión Artificial (Inspection system of pharmaceutical blisters by Computer Vision)

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Petia Radeva, Jordi Vitrià

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

Bitmakers SL es una mediana empresa de ingeniería industrial.

Type of entity: Not defined

Start date: 1996

Duration: 11 months - 30 days

Total amount: 5.500 €

65 Name of the project: Segmentación de características faciales a través de snakes. ENTIDAD FINANCIADORA: 'Ibermática', Madrid (Segmentation of facial features by snakes)

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Enric Martí

Participating entity/entities: Centre de Visió per Computador CVC

Funding entity or bodies:

Ibermática SL

Type of entity: Not defined

City funding entity: Madrid, Spain

Start date: 1995

Duration: 11 months - 30 days

Total amount: 6.000 €

Results

Industrial and intellectual property

- 1 Title registered industrial property:** Systems and methods for detecting and displaying body lumen bifurcations (https://scholar.google.com/citations?view_op=view_citation&hl=ca&user=p_MCjd4AAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_for_view=p_M)

Description of qualities: A method for generating an ultrasound image includes receiving a sequence of intravascular ultrasound (IVUS) data obtained as an IVUS imager moves through a body lumen; identifying at least one bifurcation of the body lumen from the sequence of IVUS data; determining a bifurcation angle between two branches of the body lumen; and displaying a longitudinal view of the body lumen using the IVUS data and incorporating the bifurcation angle to angularly align portions of the longitudinal view corresponding to the two portions of the body lumen.

Type of industrial property: Intellectual Property (software)

Inventors/authors/obtainers: Simone Balocco; Marina Alberti; Carlo Gatta; Francesco Ciompi; Oriol Pujol; Xavier Carrillo; Josepa Mauri Ferre; Oriol Rodriguez; Eduard Fernandez-Nofrerias; Petia Radeva

Country of inscription: United States of America

Date of register: 20/07/2021

Nº of patent: 13243571

International non-EU patent: Yes
- 2 Title registered industrial property:** Applying Deep learning for image analysis and recommenders. Application to retail (RESTful APIs)

Type of industrial property: Intellectual Property (software)

Inventors/authors/obtainers: Santiago Egea; Pau Li-Lin; Petia Ivanova Radeva

Entity holder of rights: Universitat de Barcelona

Nº of application: RUB-169668

Country of inscription: Spain

Date of register: 30/07/2020

Spanish patent: Yes

EU patent: Yes

Creating an innovative enterprise: Yes
- 3 Title registered industrial property:** LogMask: un sistema basado en Deep learning para detectar personas con y sin mascarillas

Type of industrial property: Intellectual Property (software)

Inventors/authors/obtainers: Marc Bolaños Solà; Eric Verdaguer Jimeno; Petia Ivanova Radeva

Entity holder of rights: Universitat de Barcelona

Nº of application: RUB-169751

Country of inscription: Spain

Date of register: 30/07/2020

Spanish patent: Yes

EU patent: Yes

Creating an innovative enterprise: Yes
- 4 Title registered industrial property:** Nutritional Monitoring Tool 'Validithi'

Type of industrial property: Intellectual Property (software)

Inventors/authors/obtainers: Petia Ivanova Radeva

Entity holder of rights: Centre de Visió per Computador CVC

Nº of application: 23072020

Country of inscription: Spain



Date of register: 23/07/2020

Spanish patent: Yes

EU patent: Yes

Creating an innovative enterprise: Yes

5 Title registered industrial property: System and method for sequential image analysis of an in vivo image stream

Description of qualities: A system and method for segmenting an image stream to a plurality of segments is provided. A processing unit may be configured to calculate a set of pixel-based properties for frames of an image stream, and detect segments of constant mean values in the sets of pixel-based properties. The segments of constant mean values are detected by using a window method that determines possible partition points of the window, and calculating a difference between mean values of the sets of pixel-based properties for each sub-window of frames. Points of change may be identified in the calculated difference between mean values of the sets of pixel-based properties. A display unit may display a summarized representation of the image stream, wherein the summarized representation includes a plurality of segments, each segment corresponding to a segment of constant mean values in the sets of pixel-based properties.

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Michal Drozdal; Santiago Segui-Mesquida; Jordi Vitria; Petia Radeva; Carolina Malagelada; Fernando Azpiroz

Date of register: 02/12/2019

N° of patent: 15309955

PCT patent: Yes

6 Title registered industrial property: LogMeal: Un entorn basat en el reconeixement del menjar per millorar els hàbits saludables

Type of industrial property: Intellectual Property (software)

Inventors/authors/obtainers: Petia Ivanova Radeva; Marc Bolaños Solà; Juan Luis Soriano Olliu; Eduardo Aguilar

Entity holder of rights: Universitat de Barcelona

N° of application: RUB-116266

Country of inscription: Spain

Date of register: 02/10/2017

Spanish patent: Yes

EU patent: Yes

Creating an innovative enterprise: Yes

7 Title registered industrial property: System and method for sequential image analysis of an in vivo image stream

Description of qualities: A system and method for segmenting an image stream to a plurality of segments is provided. A processing unit may be configured to calculate a set of pixel-based properties for frames of an image stream, and detect segments of constant mean values in the sets of pixel-based properties. The segments of constant mean values are detected by using a window method that determines possible partition points of the window, and calculating a difference between mean values of the sets of pixel-based properties for each sub-window of frames. Points of change may be identified in the calculated difference between mean values of the sets of pixel-based properties. A display unit may display a summarized representation of the image stream, wherein the summarized representation includes a plurality of segments, each segment corresponding to a segment of constant mean values in the sets of pixel-based properties.

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Michal Drozdal; Santiago Segui-Mesquida; Jordi Vitria; Petia Radeva; Carolina Malagelada; Fernando Azpiroz

Entity holder of rights: Given Imaging Ltd.

Date of register: 04/05/2015

Conferral date: 04/05/2015

N° of patent: PCT/IL2015/050463

Companies: Universitat de Barcelona

8 Title registered industrial property: SYSTEM AND METHOD FOR SEQUENTIAL IMAGE ANALYSIS OF AN IN VIVO IMAGE STREAM

Description of qualities: A system and method for segmenting an image stream to a plurality of segments is provided. A processing unit may be configured to calculate a set of pixel-based properties for frames of an image stream, and detect segments of constant mean values in the sets of pixel-based properties. The segments of constant mean values are detected by using a window method that determines possible partition points of the window, and calculating a difference between mean values of the sets of pixel-based properties for each sub-window of frames. Points of change may be identified in the calculated difference between mean values of the sets of pixel-based properties. A display unit may display a summarized representation of the image stream, wherein the summarized representation includes a plurality of segments, each segment corresponding to a segment of constant mean values in the sets of pixel-based properties.

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Michal DROZDZAL; Santiago Segui-Mesquida; Jordi Vitria; Petia Radeva; Carolina Malagelada; Fernando Azpiroz

Date of register: 04/05/2015

Conferral date: 04/05/2015

Nº of patent: 20180182092

PCT patent: Yes

9 Title registered industrial property: System and method for displaying motility events in an in vivo image stream

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Drozdal, M.; Segui, S.; Radeva, P.; Vitria, J.; Igual, L.; Malagelada, C.; Azpiroz, F.

Entity holder of rights: Given Imaging Ltd.

Nº of application: PCT/IL2013/050081

Date of register: 30/01/2013

International non-EU patent: Yes

PCT patent: Yes

10 Title registered industrial property: System and method for displaying motility events in an in vivo image stream

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Drozdal, M.; Segui, S.; Radeva, P.; Vitria, J.; Igual, L.; Malagelada, C.; Azpiroz, F.

Entity holder of rights: Given Imaging Ltd.

Nº of application: US 61/592786

Country of inscription: United States of America

Date of register: 31/01/2012

International non-EU patent: Yes

11 Title registered industrial property: System and method for automatic detection of in vivo contraction video sequences

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Drozdal, M.; Radeva, P.; Segui Mesquida, S.; Igual-Muñoz, L.; Malagelada, C.; Azpiroz, F.; Vitria, J.

Entity holder of rights: Given Imaging Ltd.

Nº of application: US20120057766

Country of inscription: United States of America

Date of register: 2012

International non-EU patent: Yes

PCT patent: Yes



12 Title registered industrial property: System and method for displaying motility events in an in vivo image stream

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Drozdal, M.; Segui, S.; Radeva, P.; Vitria, J.; Igual, L.; Malagelada, C.; Azpiroz, F.

Entity holder of rights: Given Imaging Ltd.

N° of application: PCT/IL2013/050081

Country of inscription: United States of America

Date of register: 2012

International non-EU patent: Yes

PCT patent: Yes

13 Title registered industrial property: Systems and methods for detecting and displaying body lumen bifurcations

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Balocco, S.; Alberti, M.; Carrillo, X.; Mauri, J.; Radeva, P.; Gatta, C.; Ciompi, F.; Pujol, O.; Rodríguez, O.; Fernández-Nofrerias, E.

Entity holder of rights: Boston Scientific

N° of application: US20120130243

Country of inscription: United States of America

Date of register: 2012

International non-EU patent: Yes

PCT patent: Yes

14 Title registered industrial property: System and method for automatic detection of in vivo contraction video sequences

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Drozdal, M.; Radeva, P.; Seguí Mesquida, S.; Igual Muñoz, L.; Malagelada, C.; Azpiroz, F.; Vitrià Marca, J.

Entity holder of rights: Given Imaging Ltd.

Country of inscription: United States of America

Date of register: 2012

Conferral date: 2012

N° of patent: 20120057766

International non-EU patent: Yes

15 Title registered industrial property: System and method for automatic detection of in-vivo contraction video sequences

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Drozdal, M.; Radeva, P.; Segui-Mesquida, S.; Igual, L.; Malagelada, C.; Azpiroz, F.; Vitrià, J.

Entity holder of rights: Given Imaging Ltd.

N° of application: US 13/228287

Country of inscription: United States of America

Date of register: 08/09/2011

International non-EU patent: Yes

16 Title registered industrial property: ADIBAS: Automatic Digital Biometry Analysis System

Type of industrial property: Intellectual Property (software)

Inventors/authors/obtainers: Sergio Escalera Guerrero; Petia Ivanova Radeva; Juan Ramón Revilla Gutierrez; Jose Ramirez Moreno

Entity holder of rights: IFGM

Country of inscription: Spain



Date of register: 27/07/2011

Conferral date: 27/07/2011

N° of patent: B-3342-11

Spanish patent: Yes

EU patent: Yes

Creating an innovative enterprise: Yes

- 17 Title registered industrial property:** System and method for synchronizing image sequences captured in-vivo for automatic comparison
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Drozdal, M.; Radeva, P.; Vitrià, J.; Azpiroz, F.; Malagelada, C.; Seguí, S.; Igual, L.
Entity holder of rights: Given Imaging Ltd.
N° of application: US 13/154544
Country of inscription: United States of America
Date of register: 07/06/2011
International non-EU patent: Yes
- 18 Title registered industrial property:** System and method for improving a discriminative model
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Drozdal, M.; Radeva, P.; Seguí, S.; Igual, L.; Malagelada, C.; Azpiroz, F.; Vitrià, J.
Entity holder of rights: Given Imaging Ltd.
N° of application: US 61/450886
Country of inscription: United States of America
Date of register: 09/03/2011
International non-EU patent: Yes
- 19 Title registered industrial property:** Systems and Methods for Performing an Image-Based Gating Procedure During an IVUS Imaging Procedure
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Gatta, C.; Radeva, P.; Mauri, J.; Pujol, O.; Rodriguez, O.; Rotger, D.; Fernández-Nofrerias, E.; Ciompi, F.
Entity holder of rights: Boston Scientific
N° of application: US20110096972
Country of inscription: United States of America
Date of register: 2011
International non-EU patent: Yes **PCT patent:** Yes
- 20 Title registered industrial property:** ADiBAS Posture: Automatic Digital Biometry Analysis System
Type of industrial property: Utility model
Inventors/authors/obtainers: Miguel Reyes, Sergio Escalera, José Ramírez, Juan Ramón Revilla, and Petia Radeva
Entity holder of rights: Facultat de Matemàtiques de la Universitat de Barcelona
Country of inscription: Spain
Date of register: 2011
Conferral date: 2011
N° of patent: B3342-11
Spanish patent: Yes **EU patent:** Yes
- 21 Title registered industrial property:** Systems and methods for navigating and visualizing intravascular ultrasound sequences
Type of industrial property: Patent of invention



Inventors/authors/obtainers: Ciompi, F.; Mauri, J.; Pujol, O.; Carrillo, X.; Radeva, P.; Gatta, C.; Balocco, S.; Fernández-Nofrerias, E.; Alberti, M.; Rodríguez-Leor, O.

Entity holder of rights: Boston Scientific

N° of application: 1362001-2213

Country of inscription: United States of America

Date of register: 2011

International non-EU patent: Yes

22 Title registered industrial property: Method for automatic classification of in vivo images

Description of qualities: A method for automatically detecting a post-duodenal boundary in an image stream of the gastrointestinal (GI) tract. The image stream is sampled to obtain a reduced set of images for processing. The reduced set of images is filtered to remove non-valid frames or non-valid portions of frames, thereby generating a filtered set of valid images. A polar representation of the valid images is generated. Textural features of the polar representation are processed to detect the post-duodenal boundary of the GI tract.

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Igual, L.; Vitria, J.; Vilarino, F.; Segui-Mesquida, S.; Malagelada, C.; Azpiroz, F.; Radeva, P.

Entity holder of rights: Given Imaging Ltd.

N° of application: 20100046816

Country of inscription: United States of America

Date of register: 19/08/2009

International non-EU patent: Yes

23 Title registered industrial property: DEVICE, SYSTEM AND METHOD FOR AUTOMATIC CLASSIFICATION OF MOTILITY IN AN IMAGE STREAM

Type of industrial property: Patent of invention

Inventors/authors/obtainers: SEGUI-MESQUIDA, Santiago; VILARINO, Fernando; IGUAL-MUNOZ, Laura; VITRIA, Jordi; RADEVA, Petia; AZPIROZ, Fernando; MALAGELADA, Carolina; MALAGELADA, Juan

Entity holder of rights: Given Imaging Ltd.

Country of inscription: United States of America

Date of register: 28/05/2009

Conferral date: 28/05/2009

N° of patent: P-73174

International non-EU patent: Yes

24 Title registered industrial property: Cascade analysis for intestinal contraction detection

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Radeva, P.; Vitria, J.; Vilarino, F.; Spyridonos, P.; Azpiroz, F.; Malagelada, J.; De Iorio, F.; Accarino, A.

Entity holder of rights: Given Imaging Ltd.

Country of inscription: United States of America

Date of register: 2009

Conferral date: 2009

N° of patent: 20090284589

International non-EU patent: Yes

25 Title registered industrial property: Device, system and method for measurement and analysis of contractile activity

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Vilariño, F.; Spyridonos, P.; Radeva, P.; Vitria, J.; Azpiroz, F.; Malagelada, J.

Entity holder of rights: Given Imaging Ltd.



Country of inscription: United States of America

Date of register: 2009

Conferral date: 2009

Nº of patent: 20090202117

International non-EU patent: Yes

26 Title registered industrial property: Device, system and method for measurement and analysis of contractile activity

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Vilariño, F.; Spyridonos, P.; Radeva, P.; Vitria, J.; Azpiroz, F.; Malagelada, J.

Entity holder of rights: sense especificar

Nº of application: 07736449.5

Country of inscription: United States of America

Date of register: 2007

International non-EU patent: Yes

27 Title registered industrial property: Cascade analysis for intestinal contraction detection

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Radeva, P.; Vitria, J.; Vilarino, F.; Spyridonos, P.; Azpiroz, F.; Malagelada, J.; De Iorio, F.; Accarino, A.

Entity holder of rights: sense especificar

Nº of application: 07713343.7

Country of inscription: United States of America

Date of register: 2007

International non-EU patent: Yes

28 Title registered industrial property: Device, system and method for automatic detection of contractile activity in an image frame

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Spyridonos, P.; Vilariño, F.; Vitria, J.; Radeva, P.; Azpiroz, F.; Malagelada, J.

Entity holder of rights: sense especificar

Nº of application: 07713342.9

Country of inscription: United States of America

Date of register: 2007

International non-EU patent: Yes

29 Title registered industrial property: SYSTEM AND METHOD FOR DETECTION OF OBSTRUCTED IN VIVO IMAGE DATA

Type of industrial property: Patent of invention

Inventors/authors/obtainers: RADEVA, Petia; SPYRIDONOS, Panagiota; VILARINO, Fernando; VITRIA, Jordi; ASPIROZ, Fernando; MALAGELADA, Juan

Entity holder of rights: Given Imaging Ltd.

Nº of application: P-8781

Country of inscription: United States of America

Date of register: 2006

International non-EU patent: Yes

30 Title registered industrial property: In-vivo device, system and method for evaluating intestinal motor function

Type of industrial property: Patent of invention

Inventors/authors/obtainers: De Iorio, F.; Malagelada, C.; Azpiroz, F.; Vilariño, F.; Vitria, J.; Accarino, A.; Spyridonos, P.; Malagelada, J.; Radeva, P.



Entity holder of rights: Given Imaging Ltd.
N° of application: P-8819
Country of inscription: United States of America
Date of register: 2006
International non-EU patent: Yes

31 Title registered industrial property: SYSTEM AND METHOD FOR TURBID DETECTION

Type of industrial property: Patent of invention
Inventors/authors/obtainers: SPYRIDONOS, Panagiota; RADEVA, Petia; VITRIA, Jordi; VILARINO, Fernando; AZPIROZ, Fernando; MALAGELADA, Juan
Entity holder of rights: Given Imaging Ltd.
N° of application: P-8882
Country of inscription: United States of America
Date of register: 2006
International non-EU patent: Yes

32 Title registered industrial property: Device, system and method for automatic detection of contractile activity in an image frame

Type of industrial property: Patent of invention
Inventors/authors/obtainers: Spyridonos, P.; Vilariño, F.; Vitria, J.; Radeva, P.; Azpiroz, F.; Malagelada, J.
Entity holder of rights: Given Imaging Ltd.
N° of application: US 13/793,025
Country of inscription: United States of America
Date of register: 2006
International non-EU patent: Yes

PCT patent: Yes

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Malagelada, C.; Seguí, S.; Méndez, S.; Drozdal, M.; Vitrià, J.; Radeva, P.; Santos, J.; Accarino, A.; Malagelada, J.R.; Azpiroz, F. Functional gut disorders or disordered gut function? Small bowel dysmotility evidenced by an original technique. Neurogastroenterology and Motility. 2012. Available on-line at: <<http://DOI:10.1111/j.1365-2982.2011.01823.x>>.

Type of production: Scientific paper

Format: Journal

Total no. authors: 10

Impact source: SCOPUS

Category: Physiology

Impact index in year of publication: 1.253

Journal in the top 25%: Yes

Position of publication: 41

No. of journals in the cat.: 160

Impact source: SCOPUS

Category: Medicine (all)

Impact index in year of publication: 1.253

Journal in the top 25%: Yes

Position of publication: 646

No. of journals in the cat.: 3.199

Impact source: SCOPUS

Category: Gastroenterology

Impact index in year of publication: 1.253

Journal in the top 25%: Yes

Position of publication: 15

No. of journals in the cat.: 122



Impact source: SCOPUS
Impact index in year of publication: 1.253
Position of publication: 7

Impact source: ISI
Impact index in year of publication: 2.935
Position of publication: 29

Impact source: ISI
Impact index in year of publication: 2.935
Position of publication: 120

Impact source: ISI
Impact index in year of publication: 2.935
Position of publication: 63

Relevant publication: Yes

Category: Endocrine and Autonomic Systems
Journal in the top 25%: Yes
No. of journals in the cat.: 22

Category: GASTROENTEROLOGY & HEPATOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 74

Category: NEUROSCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 252

Category: CLINICAL NEUROLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 193

- 2** M. Aghaei; P. Radeva. Bag-of-tracklets for person tracking in life-logging data. CCIA'2015. (Holland): IOS Press, 2014. ISBN 978-1-61499-451-0

Type of production: Book chapter

Format: Book

Total no. authors: 2

Relevant publication: Yes

- 3** Momeny, M.; Neshat, A.A.; Jahanbakhshi, A.; Mahmoudi, M.; Ampatzidis, Y.; Radeva, P. Grading and fraud detection of saffron via learning-to-augment incorporated Inception-v4 CNN. Food Control. 01/05/2023.

DOI: 10.1016/j.foodcont.2022.109554

Type of production: Scientific paper

Format: Journal

Total no. authors: 6

Impact source: SCOPUS

Category: Food Science

Impact index in year of publication: 1083

Journal in the top 25%: Yes

Position of publication: 26

No. of journals in the cat.: 338

Impact source: SCOPUS

Category: Biotechnology

Impact index in year of publication: 1083

Journal in the top 25%: Yes

Position of publication: 38

No. of journals in the cat.: 293

Impact source: ISI

Category: FOOD SCIENCE & TECHNOLOGY

Impact index in year of publication: 6.652

Journal in the top 25%: Yes

Position of publication: 20

No. of journals in the cat.: 144

- 4** Moloud Abdar., Mohammad Amin Fahami., Leonardo Rundo., Petia Radeva., Alejandro F. Frangi., U. Rajendra Acharya., Abbas Khosravi., Hak-Keung Lam., Alexander Jung., Saeid Nahavandi. Hercules: Deep Hierarchical Attentive Multilevel Fusion Model With Uncertainty Quantification for Medical Image Classification. IEEE Transactions on Industrial Informatics. 19 - 1, pp. 274 - 285. 2023. Available on-line at: <<https://ieeexplore.ieee.org/document/9763036>>.

Type of production: Scientific paper

Format: Journal

Position of signature: 4

Total no. authors: 1

Impact source: SCOPUS

Category: Computer Science Applications

Impact index in year of publication: 4333

Journal in the top 25%: Yes

Position of publication: 7

No. of journals in the cat.: 747

Impact source: SCOPUS
Impact index in year of publication: 4333
Position of publication: 7

Impact source: SCOPUS
Impact index in year of publication: 4333
Position of publication: 4

Impact source: SCOPUS
Impact index in year of publication: 4333
Position of publication: 13

Impact source: ISI
Impact index in year of publication: 11.648
Position of publication: 4

Impact source: ISI
Impact index in year of publication: 11.648
Position of publication: 2

Impact source: ISI
Impact index in year of publication: 11.648
Position of publication: 3

Category: Information Systems
Journal in the top 25%: Yes
No. of journals in the cat.: 353

Category: Control and Systems Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 270

Category: Electrical and Electronic Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 708

Category: COMPUTER SCIENCE,
INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 112

Category: ENGINEERING, INDUSTRIAL
Journal in the top 25%: Yes
No. of journals in the cat.: 50

Category: AUTOMATION & CONTROL SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 65

- 5** Das, M.; Gupta, D.; Radeva, P.; Bakde, A.M. Multimodal image sensor fusion in a cascaded framework using optimized dual channel pulse coupled neural network. Journal Of Ambient Intelligence And Humanized Computing. 01/12/2022.

DOI: 10.1007/s12652-022-03749-5

Type of production: Scientific paper

Total no. authors: 4

Impact source: SCOPUS
Impact index in year of publication: 0.913
Position of publication: 35

Impact source: ISI

Impact index in year of publication: 3.662
Position of publication: 73

Impact source: ISI
Impact index in year of publication: 3.662
Position of publication: 38

Impact source: ISI
Impact index in year of publication: 3.662
Position of publication: 68

Format: Journal

Category: Computer Science (all)
Journal in the top 25%: Yes
No. of journals in the cat.: 231

Category: COMPUTER SCIENCE, INFORMATION
SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 164

Category: TELECOMMUNICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 93

Category: COMPUTER SCIENCE, ARTIFICIAL
INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 145

- 6** Das, M.; Gupta, D.; Radeva, P.; Bakde, A.M. Optimized Multimodal Neurological Image Fusion based on Low-rank Texture Prior Decomposition and Super-pixel Segmentation. IEEE Transactions on Instrumentation and Measurement. 01/12/2022.

DOI: 10.1109/TIM.2022.3165263



Type of production: Scientific paper
Total no. authors: 4
Impact source: SCOPUS
Impact index in year of publication: 1178
Position of publication: 151

Impact source: SCOPUS
Impact index in year of publication: 1178
Position of publication: 18

Impact source: ISI
Impact index in year of publication: 5.332
Position of publication: 56

Impact source: ISI
Impact index in year of publication: 5.332
Position of publication: 10

Format: Journal

Category: Electrical and Electronic Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 708

Category: Instrumentation
Journal in the top 25%: Yes
No. of journals in the cat.: 136

Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 276

Category: INSTRUMENTS & INSTRUMENTATION
Journal in the top 25%: Yes
No. of journals in the cat.: 64

- 7** Salih, A.; Galazzo, I.B.; Petersen, S.E.; Lekadir, K.; Radeva, P.; Menegaz, G.; Altmann, A. Telomere length is causally connected to brain MRI image derived phenotypes: A mendelian randomization study. PLoS One. 01/11/2022.

DOI: 10.1371/journal.pone.0277344

Type of production: Scientific paper
Total no. authors: 7

Impact source: SCOPUS
Impact index in year of publication: 0.852
Position of publication: 15

Impact source: ISI
Impact index in year of publication: 3.752
Position of publication: 29

Format: Journal

Category: Multidisciplinary
Journal in the top 25%: Yes
No. of journals in the cat.: 120

Category: MULTIDISCIPLINARY SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 74

- 8** Zahra Raisi-Estabragh; Ahmed Salih; Polyxeni Gkontra; Angélica Atehortúa; Petia Radeva; Ilaria Boscolo Galazzo; Gloria Menegaz; Nicholas C Harvey; Karim Lekadir; Steffen E Petersen. Estimation of biological heart age using cardiovascular magnetic resonance radiomics. Scientific Reports. 27/07/2022. Available on-line at: <https://scholar.google.com/citations?view_op=view_citation&hl=ca&user=p_MCjd4AAAAJ&sortby=pubdate&citation_for_view=p_MCjd4AAAAJ:zmJoL7Ye8>

DOI: 10.1038/s41598-022-16639-9

Handle: <http://hdl.handle.net/2445/194201>

Type of production: Scientific paper
Total no. authors: 10

Impact source: SCOPUS
Impact index in year of publication: 1005
Position of publication: 11

Impact source: ISI
Impact index in year of publication: 4.997
Position of publication: 19

Format: Journal

Category: Multidisciplinary
Journal in the top 25%: Yes
No. of journals in the cat.: 120

Category: MULTIDISCIPLINARY SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 74

- 9** Boscolo Galazzo, I.; Cruciani, F.; Brusini, L.; Salih, A.; Radeva, P.; Storti, S.F.; Menegaz, G. Explainable Artificial Intelligence for Magnetic Resonance Imaging Aging Brainprints: Grounds and challenges. IEEE Signal Processing Magazine. 39 - 2, pp. 99 - 116. 01/03/2022.

DOI: 10.1109/MSP.2021.3126573

Type of production: Scientific paper

Total no. authors: 7

Impact source: SCOPUS

Impact index in year of publication: 4703

Position of publication: 2

Impact source: SCOPUS

Impact index in year of publication: 4703

Position of publication: 12

Impact source: SCOPUS

Impact index in year of publication: 4703

Position of publication: 3

Impact source: ISI

Impact index in year of publication: 15.204

Position of publication: 3

Format: Journal

Category: Signal Processing

Journal in the top 25%: Yes

No. of journals in the cat.: 115

Category: Electrical and Electronic Engineering

Journal in the top 25%: Yes

No. of journals in the cat.: 708

Category: Applied Mathematics

Journal in the top 25%: Yes

No. of journals in the cat.: 590

Category: ENGINEERING, ELECTRICAL & ELECTRONIC

Journal in the top 25%: Yes

No. of journals in the cat.: 276

- 10** Radeva, P.; Farinella, G.M. Editorial: Computer Vision Theory and Applications at VISAPP 2020. International Journal of Pattern Recognition and Artificial Intelligence. 25/02/2022.

DOI: 10.1142/S021800142102002X

Type of production: Scientific paper

Total no. authors: 2

Impact source: SCOPUS

Impact index in year of publication: 0.429

Position of publication: 156

Impact source: SCOPUS

Impact index in year of publication: 0.429

Position of publication: 51

Impact source: SCOPUS

Impact index in year of publication: 0.429

Position of publication: 242

Impact source: ISI

Impact index in year of publication: 1.261

Position of publication: 127

Format: Journal

Category: Artificial Intelligence

Journal in the top 25%: Yes

No. of journals in the cat.: 269

Category: Computer Vision and Pattern Recognition

Journal in the top 25%: Yes

No. of journals in the cat.: 94

Category: Software

Journal in the top 25%: Yes

No. of journals in the cat.: 398

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 145

- 11** Eduardo Aguilar; Bhalaji Nagarajan; Petia Radeva. Uncertainty-aware selecting for an ensemble of deep food recognition models. Computers in Biology and Medicine. 2022. Available on-line at: <<https://www.sciencedirect-com.sire.ub.edu/science/article/pii/S0010482522004371?via%3Dihub>>.

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 3

Impact source: SCOPUS

Format: Journal

Category: Computer Science Applications

Impact index in year of publication: 1309
Position of publication: 86

Impact source: SCOPUS
Impact index in year of publication: 1309
Position of publication: 16

Impact source: ISI
Impact index in year of publication: 6.698
Position of publication: 13

Impact source: ISI
Impact index in year of publication: 6.698
Position of publication: 22

Impact source: ISI
Impact index in year of publication: 6.698
Position of publication: 24

Impact source: ISI
Impact index in year of publication: 6.698
Position of publication: 6

Journal in the top 25%: Yes
No. of journals in the cat.: 747

Category: Health Informatics
Journal in the top 25%: Yes
No. of journals in the cat.: 109

Category: BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 94

Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
No. of journals in the cat.: 98

Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 112

Category: MATHEMATICAL & COMPUTATIONAL BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 57

- 12** Eduardo Aguilar; Bhalaji Nagarajan; Beatriz Remeseiro; Petia Radeva. Bayesian deep learning for semantic segmentation of food images. Computers & Electrical Engineering. An International Journal. 2022.

Type of production: Scientific paper
Position of signature: 4
Total no. authors: 4

Impact source: SCOPUS
Impact index in year of publication: 1112
Position of publication: 21

Impact source: SCOPUS
Impact index in year of publication: 1112
Position of publication: 31

Impact source: SCOPUS
Impact index in year of publication: 1112
Position of publication: 84

Impact source: ISI
Impact index in year of publication: 4.152
Position of publication: 86

Impact source: ISI
Impact index in year of publication: 4.152
Position of publication: 15

Impact source: ISI
Impact index in year of publication: 4.152

Format: Journal

Category: Computer Science (all)
Journal in the top 25%: Yes
No. of journals in the cat.: 231

Category: Control and Systems Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 270

Category: Electrical and Electronic Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 708

Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 276

Category: COMPUTER SCIENCE, HARDWARE & ARCHITECTURE
Journal in the top 25%: Yes
No. of journals in the cat.: 54

Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes

**Position of publication:** 50**No. of journals in the cat.:** 112

- 13** Md. Mostafa Kamal Sarker; Hatem A. Rashwan; Farhan Akram; Vivek Kumar Singh; Syeda Furraka Banu; Forhad U. H. Chowdhury; Kabir Ahmed Choudhury; Sylvie Chambon; Petia Radeva; DomenecPuig; Mohamed Abdel-Nasser. SLSNet: Skin lesion segmentation using a lightweight generative adversarial network. Expert Systems with Applications. 30/11/2021.

DOI: 10.1016/j.eswa.2021.115433**Handle:** <http://hdl.handle.net/2445/184577>**Type of production:** Scientific paper**Total no. authors:** 11**Impact source:** SCOPUS**Impact index in year of publication:** 2.07**Position of publication:** 23**Impact source:** SCOPUS**Impact index in year of publication:** 2.07**Position of publication:** 34**Impact source:** SCOPUS**Impact index in year of publication:** 2.07**Position of publication:** 9**Impact source:** ISI**Impact index in year of publication:** 8.665**Position of publication:** 23**Impact source:** ISI**Impact index in year of publication:** 8.665**Position of publication:** 8**Impact source:** ISI**Impact index in year of publication:** 8.665**Position of publication:** 21**Format:** Journal**Category:** Artificial Intelligence**Journal in the top 25%:** Yes**No. of journals in the cat.:** 269**Category:** Computer Science Applications**Journal in the top 25%:** Yes**No. of journals in the cat.:** 747**Category:** Engineering (all)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 300**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Journal in the top 25%:** Yes**No. of journals in the cat.:** 276**Category:** OPERATIONS RESEARCH & MANAGEMENT SCIENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 87**Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 145**14**

- Ahmad Jahanbakhshi; Mohammad Momeny; Majid Mahmoudi; Petia Radeva. Waste management using an automatic sorting system for carrot fruit based on image processing technique and improved deep neural networks. Energy Reports. 11/2021. Available on-line at: <https://scholar.google.com/citations?view_op=view_citation&hl=ca&user=p_MCjd4AAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_for_view=p_M>

DOI: 10.1016/j.egyr.2021.08.028**Handle:** <http://hdl.handle.net/2445/192807>**Type of production:** Scientific paper**Total no. authors:** 4**Impact source:** SCOPUS**Impact index in year of publication:** 0.894**Position of publication:** 21**Impact source:** ISI**Impact index in year of publication:** 4.937**Position of publication:** 58**Format:** Journal**Category:** Energy (all)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 68**Category:** ENERGY & FUELS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 119



- 15** Salih, A.; Boscolo Galazzo, I.; Raisi-Estabragh, Z.; Rauseo, E.; Gkontra, P.; Petersen, S.; Lekadir, K.; Altmann, A.; Radeva, P.; Menegaz, G. Brain age estimation at tract group level and its association with daily life measures, cardiac risk factors and genetic variants. Scientific Reports. 18/10/2021.

DOI: 10.1038/s41598-021-99153-8

Handle: <http://hdl.handle.net/2445/185761>

Type of production: Scientific paper

Total no. authors: 10

Impact source: SCOPUS

Impact index in year of publication: 1005

Position of publication: 11

Impact source: ISI

Impact index in year of publication: 4.997

Position of publication: 19

Format: Journal

Category: Multidisciplinary

Journal in the top 25%: Yes

No. of journals in the cat.: 120

Category: MULTIDISCIPLINARY SCIENCES

Journal in the top 25%: Yes

No. of journals in the cat.: 74

- 16** Phil Sanders; Waseem Abbas; Anna Esteve-Codina; Gustavo Rodriguez-Esteban; Georgina Bombau; Mireia Galofré; Andrea Honrubia; Holger Heyn; Petia Radeva; Josep M Canals. B01 In vitro study of neurodevelopment in huntington's disease. Journal of Neurology Neurosurgery and Psychiatry. 01/09/2021. Available on-line at: <https://scholar.google.com/citations?view_op=view_citation&hl=ca&user=p_MCjd4AAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_for_view=p_M>

Type of production: Scientific paper

Total no. authors: 10

Impact source: SCOPUS

Impact index in year of publication: 2922

Position of publication: 11

Impact source: SCOPUS

Impact index in year of publication: 2922

Position of publication: 11

Impact source: SCOPUS

Impact index in year of publication: 2922

Position of publication: 4

Impact source: ISI

Impact index in year of publication: 13.654

Position of publication: 8

Impact source: ISI

Impact index in year of publication: 13.654

Position of publication: 3

Impact source: ISI

Impact index in year of publication: 13.654

Position of publication: 7

Format: Journal

Category: Neurology (clinical)

Journal in the top 25%: Yes

No. of journals in the cat.: 359

Category: Psychiatry and Mental Health

Journal in the top 25%: Yes

No. of journals in the cat.: 529

Category: Surgery

Journal in the top 25%: Yes

No. of journals in the cat.: 469

Category: PSYCHIATRY (SCIENCE ED.)

Journal in the top 25%: Yes

No. of journals in the cat.: 155

Category: SURGERY

Journal in the top 25%: Yes

No. of journals in the cat.: 213

Category: CLINICAL NEUROLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 212

- 17** G.Pezzano; Díaz, O; Ribas Ripoll, V; Radeva, P. CoLe-CNN+: Context learning - Convolutional neural network for COVID-19-Ground-Glass-Opacities detection and segmentation. Computers in Biology and Medicine. 09/2021. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0010482521004832>>.

DOI: 10.1016/j.combiomed.2021.104689

Type of production: Scientific paper

Total no. authors: 4

Format: Journal



Impact source: SCOPUS
Impact index in year of publication: 1309
Position of publication: 86

Impact source: SCOPUS
Impact index in year of publication: 1309
Position of publication: 16

Impact source: ISI
Impact index in year of publication: 6.698
Position of publication: 13

Impact source: ISI
Impact index in year of publication: 6.698
Position of publication: 22

Impact source: ISI
Impact index in year of publication: 6.698
Position of publication: 24

Impact source: ISI
Impact index in year of publication: 6.698
Position of publication: 6

Category: Computer Science Applications
Journal in the top 25%: Yes
No. of journals in the cat.: 747

Category: Health Informatics
Journal in the top 25%: Yes
No. of journals in the cat.: 109

Category: BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 94

Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
No. of journals in the cat.: 98

Category: COMPUTER SCIENCE,
 INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 112

Category: MATHEMATICAL & COMPUTATIONAL
 BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 57

- 18** Nicolás, B.; Wu, X.; Dimiccoli, M.; Sierpowska, J.; Saiz-Masvidal, C.; Soriano-Mas, C.; Radeva, P.; Fuentemilla, L.I. Behavioural and neurophysiological signatures in the retrieval of individual memories of recent and remote real-life routine episodic events. *Cortex*. 01/08/2021. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0010945221001519?via%3Dihub>>.

DOI: 10.1016/j.cortex.2021.04.006

Handle: <http://hdl.handle.net/2445/179799>

Type of production: Scientific paper

Total no. authors: 8

Impact source: SCOPUS
Impact index in year of publication: 1415
Position of publication: 22

Impact source: SCOPUS
Impact index in year of publication: 1415
Position of publication: 14

Impact source: SCOPUS
Impact index in year of publication: 1415
Position of publication: 5

Impact source: ISI
Impact index in year of publication: 4.644
Position of publication: 7

Impact source: ISI
Impact index in year of publication: 4.644
Position of publication: 101

Format: Journal

Category: Cognitive Neuroscience
Journal in the top 25%: Yes
No. of journals in the cat.: 107

Category: Experimental and Cognitive Psychology
Journal in the top 25%: Yes
No. of journals in the cat.: 150

Category: Neuropsychology and Physiological
 Psychology
Journal in the top 25%: Yes
No. of journals in the cat.: 65

Category: BEHAVIORAL SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 53

Category: NEUROSCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 275

**Impact source:** ISI**Impact index in year of publication:** 4.644**Position of publication:** 13**Category:** PSYCHOLOGY, EXPERIMENTAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 91

- 19** Manisha Das; Deep Gupta; Petia Radeva; Ashwini M. Bakde. Optimized CT-MR neurological image fusion framework using biologically inspired spiking neural model in hybrid ℓ_1 - ℓ_0 layer decomposition domain. Biomedical Signal Processing And Control. 07/2021.

DOI: 10.1016/j.bspc.2021.102535**Handle:** <http://hdl.handle.net/2445/192635>**Type of production:** Scientific paper**Position of signature:** 3**Total no. authors:** 4**Impact source:** SCOPUS**Impact index in year of publication:** 1211**Position of publication:** 25**Impact source:** SCOPUS**Impact index in year of publication:** 1211**Position of publication:** 61**Impact source:** SCOPUS**Impact index in year of publication:** 1211**Position of publication:** 21**Impact source:** ISI**Impact index in year of publication:** 5.076**Position of publication:** 30**Format:** Journal**Category:** Signal Processing**Journal in the top 25%:** Yes**No. of journals in the cat.:** 115**Category:** Biomedical Engineering**Journal in the top 25%:** Yes**No. of journals in the cat.:** 252**Category:** Health Informatics**Journal in the top 25%:** Yes**No. of journals in the cat.:** 109**Category:** ENGINEERING, BIOMEDICAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 98

- 20** Diaz, O.; Kushibar, K.; Osuala, R.; Linardos, A.; Garrucho, L.; Igual, L.; Radeva, P.; Prior, F.; Gkontra, P.; Lekadir, K. Data preparation for artificial intelligence in medical imaging: A comprehensive guide to open-access platforms and tools. Physica Medica. 05/03/2021.

DOI: 10.1016/j.ejmp.2021.02.007**Handle:** <http://hdl.handle.net/2445/184093>**Type of production:** Scientific paper**Total no. authors:** 10**Impact source:** SCOPUS**Impact index in year of publication:** 0.747**Position of publication:** 49**Impact source:** SCOPUS**Impact index in year of publication:** 0.747**Position of publication:** 89**Impact source:** SCOPUS**Impact index in year of publication:** 0.747**Position of publication:** 63**Impact source:** ISI**Impact index in year of publication:** 3.119**Position of publication:** 74**Format:** Journal**Category:** Biophysics**Journal in the top 25%:** Yes**No. of journals in the cat.:** 137**Category:** Radiology, Nuclear Medicine and Imaging**Journal in the top 25%:** Yes**No. of journals in the cat.:** 308**Category:** Physics and Astronomy (all)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 240**Category:** RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING**Journal in the top 25%:** Yes**No. of journals in the cat.:** 136

- 21** Alina Matei; Andreea Glavan; Petia Radeva; Estefania Talavera. Towards Eating Habits Discovery in Egocentric Photo-Streams. IEEE Access. 20/01/2021.
DOI: 10.1109/ACCESS.2021.3053175
Handle: <http://hdl.handle.net/2445/179827>
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 4
Impact source: SCOPUS
Impact index in year of publication: 0.927
Position of publication: 34

Impact source: SCOPUS
Impact index in year of publication: 0.927
Position of publication: 28

Impact source: SCOPUS
Impact index in year of publication: 0.927
Position of publication: 124

Impact source: SCOPUS
Impact index in year of publication: 0.927
Position of publication: 104

Impact source: ISI

Impact index in year of publication: 3.476
Position of publication: 105

Impact source: ISI
Impact index in year of publication: 3.476
Position of publication: 43

Impact source: ISI

Impact index in year of publication: 3.476
Position of publication: 79

Format: Journal

Category: Computer Science (all)
Journal in the top 25%: Yes
No. of journals in the cat.: 231

Category: Engineering (all)
Journal in the top 25%: Yes
No. of journals in the cat.: 300

Category: Electrical and Electronic Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 708

Category: Materials Science (all)
Journal in the top 25%: Yes
No. of journals in the cat.: 455

Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 276

Category: TELECOMMUNICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 93

Category: COMPUTER SCIENCE, INFORMATION SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 164
- 22** Giuseppe Pezzano; Vicent Ribas Ripoll; Petia Radeva. CoLe-CNN: Context-learning convolutional neural network with adaptive loss function for lung nodule segmentation. Computer Methods and Programs in Biomedicine. 2021.
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 3
Impact source: SCOPUS
Impact index in year of publication: 1329
Position of publication: 61

Impact source: SCOPUS
Impact index in year of publication: 1329
Position of publication: 43

Impact source: SCOPUS
Impact index in year of publication: 1329
Position of publication: 9

Format: Journal

Category: Computer Science Applications
Journal in the top 25%: Yes
No. of journals in the cat.: 747

Category: Software
Journal in the top 25%: Yes
No. of journals in the cat.: 398

Category: Health Informatics
Journal in the top 25%: Yes
No. of journals in the cat.: 109



Impact source: ISI
Impact index in year of publication: 7.027
Position of publication: 20

Impact source: ISI

Impact index in year of publication: 7.027
Position of publication: 20

Impact source: ISI

Impact index in year of publication: 7.027
Position of publication: 12

Impact source: ISI
Impact index in year of publication: 7.027
Position of publication: 6

Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
No. of journals in the cat.: 98

Category: COMPUTER SCIENCE,
 INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 112

Category: COMPUTER SCIENCE, THEORY &
 METHODS
Journal in the top 25%: Yes
No. of journals in the cat.: 110

Category: MEDICAL INFORMATICS
Journal in the top 25%: Yes
No. of journals in the cat.: 31

- 23** Manisha Das; Deep Gupta; Petia Radeva; Ashwini M. Bakde. Multi-scale decomposition-based CT-MR neurological image fusion using optimized bio-inspired spiking neural model with meta-heuristic optimization. International Journal of Imaging Systems and Technology. 31 - 4, pp. 2170 - 2188. 2021.

Type of production: Scientific paper
Position of signature: 3
Total no. authors: 4

Impact source: SCOPUS
Impact index in year of publication: 0.539
Position of publication: 50

Impact source: SCOPUS
Impact index in year of publication: 0.539
Position of publication: 225

Impact source: SCOPUS
Impact index in year of publication: 0.539
Position of publication: 330

Impact source: SCOPUS
Impact index in year of publication: 0.539
Position of publication: 139

Impact source: ISI
Impact index in year of publication: 2.177
Position of publication: 167

Impact source: ISI
Impact index in year of publication: 2.177
Position of publication: 62

Impact source: ISI
Impact index in year of publication: 2.177
Position of publication: 18

Format: Journal

Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 94

Category: Software
Journal in the top 25%: Yes
No. of journals in the cat.: 398

Category: Electrical and Electronic Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 708

Category: Electronic, Optical and Magnetic Materials
Journal in the top 25%: Yes
No. of journals in the cat.: 259

Category: ENGINEERING, ELECTRICAL &
 ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 276

Category: OPTICS
Journal in the top 25%: Yes
No. of journals in the cat.: 101

Category: IMAGING SCIENCE & PHOTOGRAPHIC
 TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 28

- 24** Alejandro Cartas; Petia Radeva; Mariella Dimiccoli. Modeling long-term interactions to enhance action recognition. (United States of America): arxiv, 2021.

Type of production: Scientific paper

Format: Book

Total no. authors: 3

- 25** Andreea Glavan; Alina Matei; Petia Radeva; Estefanía Talavera. Does our social life influence our nutritional behaviour? Understanding nutritional habits from egocentric photo-streams. Expert Systems with Applications. 24/12/2020.

DOI: 10.1016/j.eswa.2020.114506

Handle: <http://hdl.handle.net/2445/194915>

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Total no. authors: 4

Impact source: SCOPUS

Category: Artificial Intelligence

Impact index in year of publication: 1.368

Journal in the top 25%: Yes

Position of publication: 12

No. of journals in the cat.: 227

Impact source: SCOPUS

Category: Computer Science Applications

Impact index in year of publication: 1.368

Journal in the top 25%: Yes

Position of publication: 30

No. of journals in the cat.: 693

Impact source: SCOPUS

Category: Engineering (all)

Impact index in year of publication: 1.368

Journal in the top 25%: Yes

Position of publication: 5

No. of journals in the cat.: 297

Impact source: ISI

Category: ENGINEERING, ELECTRICAL & ELECTRONIC

Impact index in year of publication: 6.954

Journal in the top 25%: Yes

Position of publication: 24

No. of journals in the cat.: 273

Impact source: ISI

Category: OPERATIONS RESEARCH & MANAGEMENT SCIENCE

Impact index in year of publication: 6.954

Journal in the top 25%: Yes

Position of publication: 8

No. of journals in the cat.: 84

Impact source: ISI

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 6.954

Journal in the top 25%: Yes

Position of publication: 23

No. of journals in the cat.: 140

- 26** Alejandro Cartas; Petia Radeva; Mariella Dimiccoli. Activities of Daily Living Monitoring via a WearableCamera: Toward Real-World Applications. IEEE Access. 27/04/2020.

DOI: 10.1109/ACCESS.2020.2990333

Handle: <http://hdl.handle.net/2445/179836>

Type of production: Scientific paper

Format: Journal

Position of signature: 2

Total no. authors: 3

Impact source: SCOPUS

Category: Computer Science (all)

Impact index in year of publication: 0.587

Journal in the top 25%: Yes

Position of publication: 43

No. of journals in the cat.: 226

Impact source: SCOPUS

Category: Engineering (all)

Impact index in year of publication: 0.587

Journal in the top 25%: Yes

Position of publication: 39

Impact source: SCOPUS

Impact index in year of publication: 0.587

Position of publication: 135

Impact source: ISI

Impact index in year of publication: 3.367

Position of publication: 94

Impact source: ISI

Impact index in year of publication: 3.367

Position of publication: 36

Impact source: ISI

Impact index in year of publication: 3.367

Position of publication: 65

No. of journals in the cat.: 297

Category: Materials Science (all)

Journal in the top 25%: Yes

No. of journals in the cat.: 455

Category: ENGINEERING, ELECTRICAL & ELECTRONIC

Journal in the top 25%: Yes

No. of journals in the cat.: 273

Category: TELECOMMUNICATIONS

Journal in the top 25%: Yes

No. of journals in the cat.: 91

Category: COMPUTER SCIENCE, INFORMATION SYSTEMS

Journal in the top 25%: Yes

No. of journals in the cat.: 162

- 27** Estefania Talavera; Carolin Wuerich; Nicolai Petkov; Petia Radeva. Topic Modelling for Routine Discovery from Egocentric Photo-streams. Pattern Recognition. 20/03/2020.

DOI: 10.1016/j.patcog.2020.107330

Handle: <http://hdl.handle.net/2445/172095>

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 4

Impact source: SCOPUS

Impact index in year of publication: 1.492

Position of publication: 9

Impact source: SCOPUS

Impact index in year of publication: 1.492

Position of publication: 5

Impact source: SCOPUS

Impact index in year of publication: 1.492

Position of publication: 4

Impact source: SCOPUS

Impact index in year of publication: 1.492

Position of publication: 12

Impact source: ISI

Impact index in year of publication: 7.74

Position of publication: 20

Impact source: ISI

Impact index in year of publication: 7.74

Position of publication: 17

Format: Journal

Category: Artificial Intelligence

Journal in the top 25%: Yes

No. of journals in the cat.: 227

Category: Computer Vision and Pattern Recognition

Journal in the top 25%: Yes

No. of journals in the cat.: 85

Category: Signal Processing

Journal in the top 25%: Yes

No. of journals in the cat.: 108

Category: Software

Journal in the top 25%: Yes

No. of journals in the cat.: 389

Category: ENGINEERING, ELECTRICAL & ELECTRONIC

Journal in the top 25%: Yes

No. of journals in the cat.: 273

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 140



- 28** Khalid El Asnaoui; Petia Radeva. Automatically Assess Day Similarity Using Visual Lifelogs. International Journal of Intelligent Systems. 29 - 1, pp. 298 - 310. 2020.

Type of production: Scientific paper

Format: Journal

Total no. authors: 2

Impact source: SCOPUS

Category: Artificial Intelligence

Impact index in year of publication: 1.291

Journal in the top 25%: Yes

Position of publication: 11

No. of journals in the cat.: 227

Impact source: SCOPUS

Category: Human-Computer Interaction

Impact index in year of publication: 1.291

Journal in the top 25%: Yes

Position of publication: 4

No. of journals in the cat.: 120

Impact source: SCOPUS

Category: Software

Impact index in year of publication: 1.291

Journal in the top 25%: Yes

Position of publication: 15

No. of journals in the cat.: 389

Impact source: SCOPUS

Category: Theoretical Computer Science

Impact index in year of publication: 1.291

Journal in the top 25%: Yes

Position of publication: 6

No. of journals in the cat.: 120

Impact source: ISI

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 8.709

Journal in the top 25%: Yes

Position of publication: 12

No. of journals in the cat.: 140

- 29** Margarita Torre; Beatriz Remeseiro; Petia Radeva; Fernando Martinez. DeepNEM: Deep Network Energy-Minimization for Agricultural Field Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing. 2020.

Type of production: Scientific paper

Format: Journal

Total no. authors: 4

Impact source: SCOPUS

Category: Atmospheric Science

Impact index in year of publication: 1.246

Journal in the top 25%: Yes

Position of publication: 18

No. of journals in the cat.: 124

Impact source: SCOPUS

Category: Computers in Earth Sciences

Impact index in year of publication: 1.246

Journal in the top 25%: Yes

Position of publication: 7

No. of journals in the cat.: 52

Impact source: ISI

Category: ENGINEERING, ELECTRICAL & ELECTRONIC

Impact index in year of publication: 3.784

Journal in the top 25%: Yes

Position of publication: 76

No. of journals in the cat.: 273

Impact source: ISI

Category: GEOGRAPHY, PHYSICAL

Impact index in year of publication: 3.784

Journal in the top 25%: Yes

Position of publication: 16

No. of journals in the cat.: 50

Impact source: ISI

Category: IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY

Impact index in year of publication: 3.784

Journal in the top 25%: Yes

Position of publication: 10

No. of journals in the cat.: 29

Impact source: ISI

Category: REMOTE SENSING

Impact index in year of publication: 3.784

Journal in the top 25%: Yes

Position of publication: 15

No. of journals in the cat.: 32

- 30** Estefanía Talavera; Maria Leyva-Vallina; Md. Mostafa Kamal Sarker; Domenec Puig; Nicolai Petkov, Petia Radeva. Hierarchical Approach to Classify Food Scenes in Egocentric Photo-Streams. IEEE. Journal of Biomedical and Health Informatics. 24 - 3, pp. 866 - 877. 2020.

Type of production: Scientific paper

Format: Journal

Position of signature: 6

Total no. authors: 5

Impact source: SCOPUS

Category: Biotechnology

Impact index in year of publication: 1.293

Journal in the top 25%: Yes

Position of publication: 24

No. of journals in the cat.: 282

Impact source: SCOPUS

Category: Computer Science Applications

Impact index in year of publication: 1.293

Journal in the top 25%: Yes

Position of publication: 44

No. of journals in the cat.: 693

Impact source: SCOPUS

Category: Electrical and Electronic Engineering

Impact index in year of publication: 1.293

Journal in the top 25%: Yes

Position of publication: 56

No. of journals in the cat.: 693

Impact source: SCOPUS

Category: Health Information Management

Impact index in year of publication: 1.293

Journal in the top 25%: Yes

Position of publication: 4

No. of journals in the cat.: 39

Impact source: ISI

Category: COMPUTER SCIENCE, INFORMATION SYSTEMS

Impact index in year of publication: 5.772

Journal in the top 25%: Yes

Position of publication: 28

No. of journals in the cat.: 162

Impact source: ISI

Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

Impact index in year of publication: 5.772

Journal in the top 25%: Yes

Position of publication: 17

No. of journals in the cat.: 112

Impact source: ISI

Category: MEDICAL INFORMATICS

Impact index in year of publication: 5.772

Journal in the top 25%: Yes

Position of publication: 4

No. of journals in the cat.: 30

Impact source: ISI

Category: MATHEMATICAL & COMPUTATIONAL BIOLOGY

Impact index in year of publication: 5.772

Journal in the top 25%: Yes

Position of publication: 5

No. of journals in the cat.: 58

- 31** Eduardo Aguilar; Petia Radeva. Uncertainty-aware integration of local and flat classifiers for food recognition. Pattern Recognition Letters. 2020.

Type of production: Scientific paper

Format: Journal

Total no. authors: 2

Impact source: SCOPUS

Category: Artificial Intelligence

Impact index in year of publication: 0.669

Journal in the top 25%: Yes

Position of publication: 56

No. of journals in the cat.: 227

Impact source: SCOPUS

Category: Computer Vision and Pattern Recognition

Impact index in year of publication: 0.669

Journal in the top 25%: Yes

**Position of publication:** 19**Impact source:** SCOPUS**Impact index in year of publication:** 0.669**Position of publication:** 22**Impact source:** SCOPUS**Impact index in year of publication:** 0.669**Position of publication:** 81**Impact source:** ISI**Impact index in year of publication:** 3.756**Position of publication:** 46**No. of journals in the cat.:** 85**Category:** Signal Processing**Journal in the top 25%:** Yes**No. of journals in the cat.:** 108**Category:** Software**Journal in the top 25%:** Yes**No. of journals in the cat.:** 389**Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 140

- 32** Soumick Chatterjee; Fatima Saad; Chompunuch Sarasaen; Suhita Ghosh; Rupali Khatun; Petia Radeva; Georg Rose; Sebastian Stober; Oliver Speck; Andreas Nußberger. Exploration of Interpretability Techniques for Deep COVID-19 Classification using Chest X-ray Images. CoRR abs/2006.02570. (United States of America): 2020.

Type of production: Scientific paper**Format:** Book**Total no. authors:** 11

- 33** Martin Menchon; Estefanía Talavera; Jose M. Massa; Petia Radeva. Behavioural pattern discovery from collections of egocentric photo-streams. CoRR abs/2008.09561. (United States of America): 2020.

Type of production: Scientific paper**Format:** Book**Total no. authors:** 4

- 34** Estefanía Talavera; Andreea Glavan; Alina Matei; Petia Radeva. Eating Habits Discovery in Egocentric Photo-streams. CoRR abs/2009.07646. (United States of America): 2020.

Type of production: Scientific paper**Format:** Book**Total no. authors:** 4

- 35** Gelonch, Olga; Ribera, Mireia; Codern-Bové, Núria; Ramos, Silvia; Quintana, Maria; Chico, Gloria; Cerulla, Noemí; Lafarga, Paula; Radeva, Petia; Garolera, Maite. Acceptability of a lifelogging wearable camera in older adults with mild cognitive impairment: a mixed-method study. BMC Geriatrics. 16/04/2019.

DOI: 10.1186/s12877-019-1132-0**Handle:** <http://hdl.handle.net/2445/142101>**Type of production:** Scientific paper**Format:** Journal**Total no. authors:** 10**Impact source:** SCOPUS**Impact index in year of publication:** 1.367**Position of publication:** 24**Category:** Geriatrics and Gerontology**Journal in the top 25%:** Yes**No. of journals in the cat.:** 96**Impact source:** ISI**Impact index in year of publication:** 3.077**Position of publication:** 20**Category:** GERIATRICS & GERONTOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 51**Impact source:** ISI**Impact index in year of publication:** 3.077**Position of publication:** 6**Category:** GERONTOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 36

- 36** Mandracchia F; Llauradó E; Tarro L; Del Bas JM; Valls RM; Pedret A; Radeva P; Arola L; Solà R; Boqué N. Potential Use of Mobile Phone Applications for Self-Monitoring and Increasing Daily Fruit and Vegetable Consumption: A Systematized Review. *Nutrients*. 22/03/2019.
DOI: 10.3390/nu11030686
Handle: <http://hdl.handle.net/2445/176301>
Type of production: Scientific paper
Total no. authors: 10
Impact source: SCOPUS
Impact index in year of publication: 1.329
Position of publication: 44

Impact source: SCOPUS
Impact index in year of publication: 1.329
Position of publication: 37

Impact source: ISI
Impact index in year of publication: 4.546
Position of publication: 17

Format: Journal

Category: Food Science
Journal in the top 25%: Yes
No. of journals in the cat.: 299

Category: Nutrition and Dietetics
Journal in the top 25%: Yes
No. of journals in the cat.: 120

Category: NUTRITION & DIETETICS
Journal in the top 25%: Yes
No. of journals in the cat.: 89
- 37** Md. Mostafa Kamal Sarker; Hatem A. Rashwan; Farhan Akram; Estefanía Talavera; Syeda Furraka Banu; Petia Radeva; Domenec Puig. Recognizing Food Places in Egocentric Photo-Streams Using Multi-Scale Atrous Convolutional Networks and Self-Attention Mechanism. *IEEE Access*. 7 - 6, pp. 39069 - 39082. 2019.
Type of production: Scientific paper
Position of signature: 6
Total no. authors: 7
Impact source: SCOPUS
Impact index in year of publication: 0.775
Position of publication: 45

Impact source: SCOPUS
Impact index in year of publication: 0.775
Position of publication: 47

Impact source: SCOPUS
Impact index in year of publication: 0.775
Position of publication: 155

Impact source: ISI
Impact index in year of publication: 3.745
Position of publication: 61

Impact source: ISI
Impact index in year of publication: 3.745
Position of publication: 26

Impact source: ISI
Impact index in year of publication: 3.745
Position of publication: 35

Format: Journal

Category: Computer Science (all)
Journal in the top 25%: Yes
No. of journals in the cat.: 221

Category: Engineering (all)
Journal in the top 25%: Yes
No. of journals in the cat.: 299

Category: Materials Science (all)
Journal in the top 25%: Yes
No. of journals in the cat.: 460

Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 266

Category: TELECOMMUNICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 90

Category: COMPUTER SCIENCE, INFORMATION SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 156

- 38** Stefan Lonn; Petia Radeva; Mariella Dimiccoli. Smartphone picture organization: A hierarchical approach. Computer Vision and Image Understanding. 2019.
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 3
Impact source: SCOPUS
Impact index in year of publication: 1.453
Position of publication: 11
Impact source: SCOPUS
Impact index in year of publication: 1.453
Position of publication: 15
Impact source: SCOPUS
Impact index in year of publication: 1.453
Position of publication: 43
Impact source: ISI
Impact index in year of publication: 3.121
Position of publication: 83
Impact source: ISI
Impact index in year of publication: 3.121
Position of publication: 46
- Format:** Journal
Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 84
Category: Signal Processing
Journal in the top 25%: Yes
No. of journals in the cat.: 103
Category: Software
Journal in the top 25%: Yes
No. of journals in the cat.: 373
Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 266
Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 136
- 39** Eduardo Aguilar; Marc Bolaños; Petia Radeva. Regularized uncertainty-based multi-task learning model for food analysis. Journal of Visual Communication and Image Representation. 2019.
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 3
Impact source: SCOPUS
Impact index in year of publication: 0.619
Position of publication: 22
Impact source: SCOPUS
Impact index in year of publication: 0.619
Position of publication: 31
Impact source: SCOPUS
Impact index in year of publication: 0.619
Position of publication: 155
Impact source: SCOPUS
Impact index in year of publication: 0.619
Position of publication: 8
Impact source: ISI
Impact index in year of publication: 2.479
Position of publication: 77
Impact source: ISI
- Format:** Journal
Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 84
Category: Signal Processing
Journal in the top 25%: Yes
No. of journals in the cat.: 103
Category: Electrical and Electronic Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 670
Category: Media Technology
Journal in the top 25%: Yes
No. of journals in the cat.: 70
Category: COMPUTER SCIENCE, INFORMATION SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 156



Impact index in year of publication: 2.479
Position of publication: 32

Category: COMPUTER SCIENCE, SOFTWARE ENGINEERING

Journal in the top 25%: Yes

No. of journals in the cat.: 108

- 40** Eduardo Aguilar; Beatriz Remeseiro; Marc Bolaños; Petia Radeva. Grab, Pay, and Eat: Semantic Food Detection for Smart Restaurants. IEEE Transactions on Multimedia. 20 - 12, pp. 3266 - 3275. 12/2018.

DOI: 10.1109/TMM.2018.2831627

Handle: <http://hdl.handle.net/2445/144810>

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 4

Impact source: SCOPUS

Impact index in year of publication: 1.222

Position of publication: 35

Impact source: SCOPUS

Impact index in year of publication: 1.222

Position of publication: 9

Impact source: SCOPUS

Impact index in year of publication: 1.222

Position of publication: 46

Impact source: SCOPUS

Impact index in year of publication: 1.222

Position of publication: 1

Impact source: ISI

Impact index in year of publication: 5.452

Position of publication: 10

Impact source: ISI

Impact index in year of publication: 5.452

Position of publication: 10

Impact source: ISI

Impact index in year of publication: 5.452

Position of publication: 4

Format: Journal

Category: Computer Science Applications

Journal in the top 25%: Yes

No. of journals in the cat.: 590

Category: Signal Processing

Journal in the top 25%: Yes

No. of journals in the cat.: 101

Category: Electrical and Electronic Engineering

Journal in the top 25%: Yes

No. of journals in the cat.: 669

Category: Media Technology

Journal in the top 25%: Yes

No. of journals in the cat.: 70

Category: TELECOMMUNICATIONS

Journal in the top 25%: Yes

No. of journals in the cat.: 88

Category: COMPUTER SCIENCE, INFORMATION SYSTEMS

Journal in the top 25%: Yes

No. of journals in the cat.: 155

Category: COMPUTER SCIENCE, SOFTWARE ENGINEERING

Journal in the top 25%: Yes

No. of journals in the cat.: 107

- 41** Balocco S; Ciompi F; Rigla J; Carrillo X; Mauri J; Radeva P. Assessment of intracoronary stent location and extension in intravascular ultrasound sequences. Medical Physics. 46 - 2, pp. 484 - 493. 01/11/2018.

DOI: 10.1002/mp.13273

Handle: <http://hdl.handle.net/2445/193241>

Type of production: Scientific paper

Position of signature: 6

Total no. authors: 6

Impact source: SCOPUS

Impact index in year of publication: 1.274

Position of publication: 28

Format: Journal

Category: Biophysics

Journal in the top 25%: Yes

No. of journals in the cat.: 126



Impact source: SCOPUS
Impact index in year of publication: 1.274
Position of publication: 48

Impact source: ISI

Impact index in year of publication: 3.177
Position of publication: 35

Category: Radiology, Nuclear Medicine and Imaging
Journal in the top 25%: Yes
No. of journals in the cat.: 276

Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING
Journal in the top 25%: Yes
No. of journals in the cat.: 129

- 42** Maedeh Aghaei; Mariella Dimiccoli; Cristian Canton-Ferrer; Petia Radeva. Towards social pattern characterization in egocentric photo-streams. Computer Vision and Image Understanding. 06/2018.

DOI: 10.1016/j.cviu.2018.05.001

Handle: <http://hdl.handle.net/2445/144211>

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 4

Impact source: SCOPUS
Impact index in year of publication: 0.766
Position of publication: 12

Impact source: SCOPUS
Impact index in year of publication: 0.766
Position of publication: 16

Impact source: SCOPUS
Impact index in year of publication: 0.766
Position of publication: 51

Impact source: ISI

Impact index in year of publication: 2.645
Position of publication: 115

Impact source: ISI

Impact index in year of publication: 2.645
Position of publication: 58

Format: Journal

Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 81

Category: Signal Processing
Journal in the top 25%: Yes
No. of journals in the cat.: 101

Category: Software
Journal in the top 25%: Yes
No. of journals in the cat.: 364

Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 265

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 133

- 43** Marc Bolaños; Álvaro Peris; Francisco Casacuberta; Sergi Soler; Petia Radeva. Egocentric video description based on temporally-linked sequences. Journal of Visual Communication and Image Representation. 01/2018.

Handle: <http://hdl.handle.net/2445/143165>

Type of production: Scientific paper

Position of signature: 5

Total no. authors: 5

Impact source: SCOPUS
Impact index in year of publication: 0.508
Position of publication: 20

Impact source: SCOPUS
Impact index in year of publication: 0.508
Position of publication: 30

Impact source: SCOPUS

Format: Journal

Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 81

Category: Signal Processing
Journal in the top 25%: Yes
No. of journals in the cat.: 101

Category: Electrical and Electronic Engineering



Impact index in year of publication: 0.508
Position of publication: 138

Impact source: SCOPUS
Impact index in year of publication: 0.508
Position of publication: 7

Impact source: ISI

Impact index in year of publication: 2.259
Position of publication: 76

Impact source: ISI

Impact index in year of publication: 2.259
Position of publication: 36

Journal in the top 25%: Yes
No. of journals in the cat.: 669

Category: Media Technology
Journal in the top 25%: Yes
No. of journals in the cat.: 70

Category: COMPUTER SCIENCE, INFORMATION SYSTEMS

Journal in the top 25%: Yes
No. of journals in the cat.: 155

Category: COMPUTER SCIENCE, SOFTWARE ENGINEERING

Journal in the top 25%: Yes
No. of journals in the cat.: 107

- 44** Alejandro Cartas; Juan Marín; Petia Radeva; Mariella Dimiccoli. Batch-based activity recognition from egocentric photo-streams revisited. Pattern Analysis and Applications. 21 - 4, pp. 953 - 965. 2018.

Type of production: Scientific paper
Position of signature: 3
Total no. authors: 4

Format: Journal

Impact source: SCOPUS
Impact index in year of publication: 0.358
Position of publication: 93

Category: Artificial Intelligence
Journal in the top 25%: Yes
No. of journals in the cat.: 195

Impact source: SCOPUS
Impact index in year of publication: 0.358
Position of publication: 38

Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 81

Impact source: ISI

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 1.41
Position of publication: 92

Journal in the top 25%: Yes
No. of journals in the cat.: 133

- 45** Mariella Dimiccoli; Cathal Gurrin; David J. Crandall; Xavier Giró; Petia Radeva. Introduction to the special issue: Egocentric Vision and Lifelogging. Journal of Visual Communication and Image Representation. 2018.

Type of production: Scientific paper
Total no. authors: 5

Format: Journal

Impact source: SCOPUS
Impact index in year of publication: 0.508
Position of publication: 20

Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 81

Impact source: SCOPUS
Impact index in year of publication: 0.508
Position of publication: 30

Category: Signal Processing
Journal in the top 25%: Yes
No. of journals in the cat.: 101

Impact source: SCOPUS
Impact index in year of publication: 0.508
Position of publication: 138

Category: Electrical and Electronic Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 669

Impact source: SCOPUS
Impact index in year of publication: 0.508

Category: Media Technology
Journal in the top 25%: Yes

**Position of publication:** 7**Impact source:** ISI**Impact index in year of publication:** 2.259**Position of publication:** 76**Impact source:** ISI**Impact index in year of publication:** 2.259**Position of publication:** 36**No. of journals in the cat.:** 70**Category:** COMPUTER SCIENCE, INFORMATION SYSTEMS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 155**Category:** COMPUTER SCIENCE, SOFTWARE ENGINEERING**Journal in the top 25%:** Yes**No. of journals in the cat.:** 107

- 46** Sumit K. Banchhor; Narendra D. Londhe; Tadashi Araki; Luca Saba; Petia Radeva; Narendra N. Khanna; Jasjit S. Suri. Calcium detection, its quantification, and grayscale morphology-based risk stratification using machine learning in multimodality big data coronary and carotid scans: A review. Computers in Biology and Medicine. 2018.

Type of production: Scientific paper**Position of signature:** 5**Total no. authors:** 7**Impact source:** SCOPUS**Impact index in year of publication:** 0.57**Position of publication:** 146**Impact source:** SCOPUS**Impact index in year of publication:** 0.57**Position of publication:** 14**Impact source:** ISI**Impact index in year of publication:** 2.286**Position of publication:** 27**Impact source:** ISI**Impact index in year of publication:** 2.286**Position of publication:** 39**Impact source:** ISI**Impact index in year of publication:** 2.286**Position of publication:** 52**Impact source:** ISI**Impact index in year of publication:** 2.286**Position of publication:** 16**Format:** Journal**Category:** Computer Science Applications**Journal in the top 25%:** Yes**No. of journals in the cat.:** 590**Category:** Health Informatics**Journal in the top 25%:** Yes**No. of journals in the cat.:** 67**Category:** BIOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 87**Category:** ENGINEERING, BIOMEDICAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 80**Category:** COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 106**Category:** MATHEMATICAL & COMPUTATIONAL BIOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 59

- 47** Lekadir, K.; Galimzianova, A.; Betriu, A.; Vila, M.M.; Igual, L.; Rubin, D. L.; Fernández, E.; Radeva, P.; Napel, S.A. Convolutional Neural Network for Automatic Characterization of Plaque Composition in Carotid Ultrasound. IEEE. Journal of Biomedical and Health Informatics. 21 - 1, pp. 48 - 55. 01/01/2017.

DOI: 10.1109/JBHI.2016.2631401**Type of production:** Scientific paper**Total no. authors:** 9**Impact source:** SCOPUS**Impact index in year of publication:** 0.991**Position of publication:** 21**Format:** Journal**Category:** Biotechnology**Journal in the top 25%:** Yes**No. of journals in the cat.:** 261

Impact source: SCOPUS
Impact index in year of publication: 0.991
Position of publication: 33

Impact source: SCOPUS
Impact index in year of publication: 0.991
Position of publication: 41

Impact source: SCOPUS
Impact index in year of publication: 0.991
Position of publication: 5

Impact source: ISI
Impact index in year of publication: 3.85
Position of publication: 18

Impact source: ISI
Impact index in year of publication: 3.85
Position of publication: 14

Impact source: ISI
Impact index in year of publication: 3.85
Position of publication: 4

Impact source: ISI
Impact index in year of publication: 3.85
Position of publication: 6

Category: Computer Science Applications
Journal in the top 25%: Yes
No. of journals in the cat.: 569

Category: Electrical and Electronic Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 666

Category: Health Information Management
Journal in the top 25%: Yes
No. of journals in the cat.: 26

Category: COMPUTER SCIENCE, INFORMATION SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 148

Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 105

Category: MEDICAL INFORMATICS
Journal in the top 25%: Yes
No. of journals in the cat.: 25

Category: MATHEMATICAL & COMPUTATIONAL BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 59

- 48** Mariella Dimiccoli; Marc Bolaños; Estefanía Talavera; Maedeh Aghaei; Stavri G. Nikolov; Petia Radeva. SR-clustering: Semantic regularized clustering for egocentric photo streams segmentation. Computer Vision and Image Understanding. 2017. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S1077314216301576>>.

Type of production: Scientific paper
Position of signature: 6
Total no. authors: 6

Impact source: SCOPUS
Impact index in year of publication: 0.717
Position of publication: 11

Impact source: SCOPUS
Impact index in year of publication: 0.717
Position of publication: 14

Impact source: SCOPUS
Impact index in year of publication: 0.717
Position of publication: 58

Impact source: ISI
Impact index in year of publication: 2.391
Position of publication: 99

Format: Journal

Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 75

Category: Signal Processing
Journal in the top 25%: Yes
No. of journals in the cat.: 100

Category: Software
Journal in the top 25%: Yes
No. of journals in the cat.: 370

Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 260



Impact source: ISI

Impact index in year of publication: 2.391

Position of publication: 43

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 132

- 49** Marc Bolaños; Mariella Dimiccoli; Petia Radeva. Toward Storytelling From Visual Lifelogging: An Overview. IEEE Transactions on Human-Machine Systems. 47 - 1, pp. 77 - 90. 2017.

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Total no. authors: 3

Impact source: SCOPUS

Category: Artificial Intelligence

Impact index in year of publication: 0.603

Journal in the top 25%: Yes

Position of publication: 31

No. of journals in the cat.: 182

Impact source: SCOPUS

Category: Computer Networks and Communications

Impact index in year of publication: 0.603

Journal in the top 25%: Yes

Position of publication: 38

No. of journals in the cat.: 278

Impact source: SCOPUS

Category: Computer Science Applications

Impact index in year of publication: 0.603

Journal in the top 25%: Yes

Position of publication: 78

No. of journals in the cat.: 569

Impact source: SCOPUS

Category: Human-Computer Interaction

Impact index in year of publication: 0.603

Journal in the top 25%: Yes

Position of publication: 16

No. of journals in the cat.: 89

Impact source: SCOPUS

Category: Signal Processing

Impact index in year of publication: 0.603

Journal in the top 25%: Yes

Position of publication: 16

No. of journals in the cat.: 100

Impact source: SCOPUS

Category: Control and Systems Engineering

Impact index in year of publication: 0.603

Journal in the top 25%: Yes

Position of publication: 33

No. of journals in the cat.: 236

Impact source: SCOPUS

Category: Human Factors and Ergonomics

Impact index in year of publication: 0.603

Journal in the top 25%: Yes

Position of publication: 2

No. of journals in the cat.: 35

Impact source: ISI

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 2.563

Journal in the top 25%: Yes

Position of publication: 39

No. of journals in the cat.: 132

Impact source: ISI

Category: COMPUTER SCIENCE, CYBERNETICS

Impact index in year of publication: 2.563

Journal in the top 25%: Yes

Position of publication: 6

No. of journals in the cat.: 22

- 50** Sumit K. Banchhor, Narendra D. Londhe, Tadashi Araki, Luca Saba, Petia Radeva, John R. Laird, Jasjit S. Suri, Fellow AIMBE.: Well-balanced system for coronary calcium detection and volume measurement in a low resolution intravascular ultrasound videos. Computers in Biology and Medicine. 2017.

Type of production: Scientific paper

Format: Journal

Position of signature: 5

Total no. authors: 1

Impact source: SCOPUS
Impact index in year of publication: 0.591
Position of publication: 150

Impact source: SCOPUS
Impact index in year of publication: 0.591
Position of publication: 17

Impact source: ISI
Impact index in year of publication: 2.115
Position of publication: 28

Impact source: ISI
Impact index in year of publication: 2.115
Position of publication: 34

Impact source: ISI
Impact index in year of publication: 2.115
Position of publication: 45

Impact source: ISI
Impact index in year of publication: 2.115
Position of publication: 15

Category: Computer Science Applications
Journal in the top 25%: Yes
No. of journals in the cat.: 569

Category: Health Informatics
Journal in the top 25%: Yes
No. of journals in the cat.: 62

Category: BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 85

Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
No. of journals in the cat.: 78

Category: COMPUTER SCIENCE,
 INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 105

Category: MATHEMATICAL & COMPUTATIONAL
 BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 59

- 51** Yan Yan; Yahong Han; Petia Radeva; Qi Tian. Guest Editorial: Intermediate representation for vision and multimedia applications. Journal of Visual Communication and Image Representation. 2017.

DOI: 10.1016/j.jvcir.2017.01.023

Type of production: Scientific paper

Total no. authors: 4

Impact source: SCOPUS
Impact index in year of publication: 0.503
Position of publication: 18

Impact source: SCOPUS
Impact index in year of publication: 0.503
Position of publication: 25

Impact source: SCOPUS
Impact index in year of publication: 0.503
Position of publication: 126

Impact source: SCOPUS
Impact index in year of publication: 0.503
Position of publication: 6

Impact source: ISI
Impact index in year of publication: 1.836
Position of publication: 68

Impact source: ISI

Format: Journal

Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 75

Category: Signal Processing
Journal in the top 25%: Yes
No. of journals in the cat.: 100

Category: Electrical and Electronic Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 666

Category: Media Technology
Journal in the top 25%: Yes
No. of journals in the cat.: 68

Category: COMPUTER SCIENCE, INFORMATION
 SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 148

Category: COMPUTER SCIENCE, SOFTWARE
 ENGINEERING



Impact index in year of publication: 1.836
Position of publication: 31

Journal in the top 25%: Yes
No. of journals in the cat.: 104

- 52** Banchhor, S.K.; Londhe N.D.; Araki, T.; Saba, L.; Radeva, P.; Laird, J.R.; Suri J.S. Wall-based measurement features provides an improved IVUS coronary artery risk assessment when fused with plaque texture-based features during machine learning paradigm. Computers in Biology and Medicine. 2017.

Type of production: Scientific paper
Total no. authors: 6

Format: Journal

Impact source: SCOPUS
Impact index in year of publication: 0.591
Position of publication: 150

Category: Computer Science Applications
Journal in the top 25%: Yes
No. of journals in the cat.: 569

Impact source: SCOPUS
Impact index in year of publication: 0.591
Position of publication: 17

Category: Health Informatics
Journal in the top 25%: Yes
No. of journals in the cat.: 62

Impact source: ISI
Impact index in year of publication: 2.115
Position of publication: 28

Category: BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 85

Impact source: ISI
Impact index in year of publication: 2.115
Position of publication: 34

Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
No. of journals in the cat.: 78

Impact source: ISI

Category: COMPUTER SCIENCE,
INTERDISCIPLINARY APPLICATIONS

Impact index in year of publication: 2.115
Position of publication: 45

Journal in the top 25%: Yes
No. of journals in the cat.: 105

Impact source: ISI

Category: MATHEMATICAL & COMPUTATIONAL
BIOLOGY

Impact index in year of publication: 2.115
Position of publication: 15

Journal in the top 25%: Yes
No. of journals in the cat.: 59

- 53** S. Seguí; M. Drozdal; G. Pascual; P. Radeva; C. Malagelada; F. Azpiroz; J. Vitrià. Generic Feature Learning for Wireless Capsule Endoscopy Analysis. Computers in Biology and Medicine. 79 - 1, pp. 163 - 172. 01/12/2016.

DOI: 10.1016/j.combiomed.2016.10.011

Handle: <http://hdl.handle.net/2445/192882>

Type of production: Scientific paper
Total no. authors: 7

Format: Journal

Impact source: SCOPUS
Impact index in year of publication: 0.554
Position of publication: 160

Category: Computer Science Applications
Journal in the top 25%: Yes
No. of journals in the cat.: 533

Impact source: SCOPUS
Impact index in year of publication: 0.554
Position of publication: 22

Category: Health Informatics
Journal in the top 25%: Yes
No. of journals in the cat.: 60

Impact source: ISI
Impact index in year of publication: 1.836
Position of publication: 35

Category: BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 85

Impact source: ISI

Category: ENGINEERING, BIOMEDICAL

**Impact index in year of publication:** 1.836**Position of publication:** 45**Impact source:** ISI**Impact index in year of publication:** 1.836**Position of publication:** 54**Impact source:** ISI**Impact index in year of publication:** 1.836**Position of publication:** 19**Journal in the top 25%:** Yes**No. of journals in the cat.:** 77**Category:** COMPUTER SCIENCE,
INTERDISCIPLINARY APPLICATIONS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 105**Category:** MATHEMATICAL & COMPUTATIONAL
BIOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 57

- 54** Araki, T.; Banchhor, S.K.; Londhe, N.D.; Ikeda, N.; Radeva, P.; Shukla, D.; Saba, L.; Balestrieri, A.; Nicolaidis, A.; Shafique, S.; Laird, J.R.; Suri, J.S. Reliable and Accurate Calcium Volume Measurement in Coronary Artery Using Intravascular Ultrasound Videos. *Journal Of Medical Systems*. 40 - 3, pp. 51:1 - 50:20. 2016.

DOI: 10.1007/s10916-015-0407-z**Type of production:** Scientific paper**Position of signature:** 5**Total no. authors:** 12**Impact source:** SCOPUS**Impact index in year of publication:** 0.538**Position of publication:** 49**Impact source:** SCOPUS**Impact index in year of publication:** 0.538**Position of publication:** 50**Impact source:** SCOPUS**Impact index in year of publication:** 0.538**Position of publication:** 13**Impact source:** SCOPUS**Impact index in year of publication:** 0.538**Position of publication:** 7**Impact source:** ISI**Impact index in year of publication:** 2.456**Position of publication:** 10**Impact source:** ISI**Impact index in year of publication:** 2.456**Position of publication:** 28**Format:** Journal**Category:** Information Systems**Journal in the top 25%:** Yes**No. of journals in the cat.:** 250**Category:** Medicine (miscellaneous)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 181**Category:** Health Informatics**Journal in the top 25%:** Yes**No. of journals in the cat.:** 60**Category:** Health Information Management**Journal in the top 25%:** Yes**No. of journals in the cat.:** 21**Category:** MEDICAL INFORMATICS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 24**Category:** HEALTH CARE SCIENCES & SERVICES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 90

- 55** Maedeh Aghaei; Mariella Dimiccoli; Petia Radeva. Multi-face tracking by extended bag-of-tracklets in egocentric photo-streams. *Computer Vision and Image Understanding*. 2016.

Type of production: Scientific paper**Position of signature:** 3**Total no. authors:** 3**Impact source:** SCOPUS**Impact index in year of publication:** 1.297**Position of publication:** 9**Format:** Journal**Category:** Computer Vision and Pattern Recognition**Journal in the top 25%:** Yes**No. of journals in the cat.:** 69



Impact source: SCOPUS
Impact index in year of publication: 1.297
Position of publication: 12

Impact source: SCOPUS
Impact index in year of publication: 1.297
Position of publication: 44

Impact source: ISI
Impact index in year of publication: 2.498
Position of publication: 87

Impact source: ISI
Impact index in year of publication: 2.498
Position of publication: 41

Category: Signal Processing
Journal in the top 25%: Yes
No. of journals in the cat.: 93

Category: Software
Journal in the top 25%: Yes
No. of journals in the cat.: 370

Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 262

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 133

- 56** Sumit K. Banchhor; Tadashi Araki; Narendra D. Londhe; Nobutaka Ikeda; Petia Radeva; Ayman El-Baz; Luca Saba; Andrew Nicolaides; Shoaib Shafique; John R. Laird; Jasjit S. Suri. Five multiresolution-based calcium volume measurement techniques from coronary IVUS videos: A comparative approach. Computer Methods and Programs in Biomedicine. 2016.

Type of production: Scientific paper
Position of signature: 5
Total no. authors: 11

Impact source: SCOPUS
Impact index in year of publication: 0.639
Position of publication: 88

Impact source: SCOPUS
Impact index in year of publication: 0.639
Position of publication: 95

Impact source: SCOPUS
Impact index in year of publication: 0.639
Position of publication: 12

Impact source: ISI
Impact index in year of publication: 2.503
Position of publication: 26

Impact source: ISI
Impact index in year of publication: 2.503
Position of publication: 32

Impact source: ISI
Impact index in year of publication: 2.503
Position of publication: 21

Impact source: ISI
Impact index in year of publication: 2.503
Position of publication: 9

Format: Journal

Category: Computer Science Applications
Journal in the top 25%: Yes
No. of journals in the cat.: 533

Category: Software
Journal in the top 25%: Yes
No. of journals in the cat.: 370

Category: Health Informatics
Journal in the top 25%: Yes
No. of journals in the cat.: 60

Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
No. of journals in the cat.: 77

Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 105

Category: COMPUTER SCIENCE, THEORY & METHODS
Journal in the top 25%: Yes
No. of journals in the cat.: 104

Category: MEDICAL INFORMATICS
Journal in the top 25%: Yes
No. of journals in the cat.: 24

- 57** F. Ciompi; S. Balocco; J. Rigla; X. Carrillo; J. Mauri; P. Radeva. Computer-Aided Detection of Intra-Coronary Stent in Intravascular Ultrasound Sequences. Medical Physics. 2016.

Type of production: Scientific paper

Format: Journal

Total no. authors: 6

Impact source: SCOPUS

Category: Biophysics

Impact index in year of publication: 0.74

Journal in the top 25%: Yes

Position of publication: 33

No. of journals in the cat.: 123

Impact source: SCOPUS

Category: Radiology, Nuclear Medicine and Imaging

Impact index in year of publication: 0.74

Journal in the top 25%: Yes

Position of publication: 52

No. of journals in the cat.: 266

Impact source: ISI

Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING

Impact index in year of publication: 2.617

Journal in the top 25%: Yes

Position of publication: 37

No. of journals in the cat.: 127

- 58** Malagelada, C.; Drozdal, M.; Seguí, S.; Mendez, S.; Vitria, J.; Radeva, P.; Santos, J.; Accarino, A.; Malagelada, J.R.; Azpiroz F. Classification of functional bowel disorders by objective physiological criteria based on endoluminal image analysis. American Journal of Physiology-Gastrointestinal and Liver Physiology. 309 - 6, pp. 413 - 419. 15/09/2015.

DOI: 10.1152/ajpgi.00193.2015

Type of production: Scientific paper

Format: Journal

Total no. authors: 10

Impact source: SCOPUS

Category: Physiology

Impact index in year of publication: 1.981

Journal in the top 25%: Yes

Position of publication: 29

No. of journals in the cat.: 167

Impact source: SCOPUS

Category: Medicine (all)

Impact index in year of publication: 1.981

Journal in the top 25%: Yes

Position of publication: 465

No. of journals in the cat.: 3.276

Impact source: SCOPUS

Category: Gastroenterology

Impact index in year of publication: 1.981

Journal in the top 25%: Yes

Position of publication: 16

No. of journals in the cat.: 127

Impact source: SCOPUS

Category: Hepatology

Impact index in year of publication: 1.981

Journal in the top 25%: Yes

Position of publication: 11

No. of journals in the cat.: 53

Impact source: SCOPUS

Category: Physiology (medical)

Impact index in year of publication: 1.981

Journal in the top 25%: Yes

Position of publication: 16

No. of journals in the cat.: 95

Impact source: ISI

Category: GASTROENTEROLOGY & HEPATOLOGY

Impact index in year of publication: 3.297

Journal in the top 25%: Yes

Position of publication: 27

No. of journals in the cat.: 79

Impact source: ISI

Category: PHYSIOLOGY

Impact index in year of publication: 3.297

Journal in the top 25%: Yes

Position of publication: 22

No. of journals in the cat.: 83

- 59** Drozdal, M.; Seguí, S.; Radeva, P.; Malagelada, C.; Azpiroz, F.; Vitrià J. Motility bar: A new tool for motility analysis of endoluminal videos. *Computers in Biology and Medicine*. 14/04/2015.
DOI: 10.1016/j.compbimed.2015.04.006
Type of production: Scientific paper
Format: Journal
Position of signature: 3
Category: Computer Science Applications
Total no. authors: 6
Journal in the top 25%: Yes
Impact source: SCOPUS
No. of journals in the cat.: 511
Impact index in year of publication: 0.554
Impact source: SCOPUS
Category: Health Informatics
Journal in the top 25%: Yes
Position of publication: 174
No. of journals in the cat.: 54
Impact source: ISI
Category: BIOLOGY
Journal in the top 25%: Yes
Impact index in year of publication: 1.521
No. of journals in the cat.: 86
Position of publication: 39
Impact source: ISI
Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
Impact index in year of publication: 1.521
No. of journals in the cat.: 76
Position of publication: 47
Impact source: ISI
Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes
Impact index in year of publication: 1.521
No. of journals in the cat.: 104
Position of publication: 53
Impact source: ISI
Category: MATHEMATICAL & COMPUTATIONAL BIOLOGY
Journal in the top 25%: Yes
Impact index in year of publication: 1.521
No. of journals in the cat.: 56
Position of publication: 27
- 60** Araki, T.; Ikeda, N.; Dey, N.; Chakraborty, S.; Saba, L.; Kumar, D.; Cuadrado-Godia, E.; Jiang, X.; Gupta, A.; Radeva, P.; Laird, J.R.; Nicolaides, A.; Suri, J.S. A comparative approach of four different image registration techniques for quantitative assessment of coronary artery calcium lesions using intravascular ultrasound. *Computer Methods and Programs in Biomedicine*. 118 - 2, pp. 158 - 172. 2015.
Type of production: Scientific paper
Format: Journal
Total no. authors: 13
Category: Computer Science Applications
Journal in the top 25%: Yes
Impact source: SCOPUS
No. of journals in the cat.: 511
Impact index in year of publication: 0.849
Impact source: SCOPUS
Category: Software
Journal in the top 25%: Yes
Position of publication: 67
No. of journals in the cat.: 376
Impact source: SCOPUS
Category: Medicine (all)
Journal in the top 25%: Yes
Impact index in year of publication: 0.849
No. of journals in the cat.: 3.276
Position of publication: 828
Impact source: SCOPUS
Category: Health Informatics
Journal in the top 25%: Yes
Impact index in year of publication: 0.849
No. of journals in the cat.: 54
Position of publication: 11

**Impact source:** ISI**Impact index in year of publication:** 1.862**Position of publication:** 35**Impact source:** ISI**Impact index in year of publication:** 1.862**Position of publication:** 37**Impact source:** ISI**Impact index in year of publication:** 1.862**Position of publication:** 16**Impact source:** ISI**Impact index in year of publication:** 1.862**Position of publication:** 10**Category:** ENGINEERING, BIOMEDICAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 76**Category:** COMPUTER SCIENCE,
INTERDISCIPLINARY APPLICATIONS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 104**Category:** COMPUTER SCIENCE, THEORY &
METHODS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 105**Category:** MEDICAL INFORMATICS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 20

- 61** Romero, A.; Radeva, P.; Gatta, C. Meta-parameter free unsupervised sparse feature learning. IEEE Transactions on Pattern Analysis and Machine Intelligence. 37 - 8, pp. 1716 - 1722. 2015.

Type of production: Scientific paper**Total no. authors:** 3**Impact source:** SCOPUS**Impact index in year of publication:** 6.202**Position of publication:** 3**Impact source:** SCOPUS**Impact index in year of publication:** 6.202**Position of publication:** 1**Impact source:** SCOPUS**Impact index in year of publication:** 6.202**Position of publication:** 1**Impact source:** SCOPUS**Impact index in year of publication:** 6.202**Position of publication:** 2**Impact source:** SCOPUS**Impact index in year of publication:** 6.202**Position of publication:** 1**Impact source:** SCOPUS**Impact index in year of publication:** 6.202**Position of publication:** 70**Impact source:** ISI**Impact index in year of publication:** 6.077**Position of publication:** 5**Impact source:** ISI**Impact index in year of publication:** 6.077**Format:** Journal**Category:** Artificial Intelligence**Journal in the top 25%:** Yes**No. of journals in the cat.:** 153**Category:** Computational Theory and Mathematics**Journal in the top 25%:** Yes**No. of journals in the cat.:** 101**Category:** Computer Vision and Pattern Recognition**Journal in the top 25%:** Yes**No. of journals in the cat.:** 64**Category:** Software**Journal in the top 25%:** Yes**No. of journals in the cat.:** 376**Category:** Applied Mathematics**Journal in the top 25%:** Yes**No. of journals in the cat.:** 407**Category:** Medicine (all)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 3.276**Category:** ENGINEERING, ELECTRICAL &
ELECTRONIC**Journal in the top 25%:** Yes**No. of journals in the cat.:** 257**Category:** COMPUTER SCIENCE, ARTIFICIAL
INTELLIGENCE**Journal in the top 25%:** Yes

**Position of publication:** 3**No. of journals in the cat.:** 130

- 62** Simone Balocco; Carlo Gatta; Francesco Ciompi; Andreas Wahle; Petia Radeva; Stéphane Carlier; Gözde B. Ünal; Elias Sanidas; Josepa Mauri; Xavier Carrillo; Tomas Kovarnik; Ching-Wei Wang; Hsiang-Chou Chen; Themis P. Exarchos; Dimitrios I. Fotiadis; François Destremes; Guy Cloutier; Oriol Pujol; Marina Alberti; E. Gerardo Mendizabal-Ruiz; Mariano Rivera; Timur Aksoy; Richard W. Downe; Ioannis A. Kakadiaris. Standardized evaluation methodology and reference database for evaluating IVUS image segmentation. Computerized Medical Imaging and Graphics. 38 - 2, pp. 70 - 90. 03/2014.

DOI: 10.1016/j.compmedimag.2013.07.001**Handle:** <http://hdl.handle.net/2445/53334>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 5**Total no. authors:** 24**Impact source:** SCOPUS**Category:** Computer Graphics and Computer-Aided Design**Impact index in year of publication:** 0.526**Journal in the top 25%:** Yes**Position of publication:** 15**No. of journals in the cat.:** 62**Impact source:** SCOPUS**Category:** Computer Vision and Pattern Recognition**Impact index in year of publication:** 0.526**Journal in the top 25%:** Yes**Position of publication:** 18**No. of journals in the cat.:** 64**Impact source:** SCOPUS**Category:** Health Informatics**Impact index in year of publication:** 0.526**Journal in the top 25%:** Yes**Position of publication:** 15**No. of journals in the cat.:** 54**Impact source:** SCOPUS**Category:** Radiology, Nuclear Medicine and Imaging**Impact index in year of publication:** 0.526**Journal in the top 25%:** Yes**Position of publication:** 64**No. of journals in the cat.:** 254**Impact source:** SCOPUS**Category:** Radiological and Ultrasound Technology**Impact index in year of publication:** 0.526**Journal in the top 25%:** Yes**Position of publication:** 13**No. of journals in the cat.:** 44**Impact source:** ISI**Category:** ENGINEERING, BIOMEDICAL**Impact index in year of publication:** 1.218**Journal in the top 25%:** Yes**Position of publication:** 53**No. of journals in the cat.:** 76**Impact source:** ISI**Category:** RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING**Impact index in year of publication:** 1.218**Journal in the top 25%:** Yes**Position of publication:** 91**No. of journals in the cat.:** 125

- 63** Pierluigi Casale; Oriol Pujol; Petia Radeva. Approximate polytope ensemble for one-class classification. Pattern Recognition. 47 - 2, pp. 854 - 864. 02/2014.

DOI: 10.1016/j.patcog.2013.08.007**Handle:** <http://hdl.handle.net/2445/53584>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 3**Total no. authors:** 3**Impact source:** SCOPUS**Category:** Artificial Intelligence**Impact index in year of publication:** 1.299**Journal in the top 25%:** Yes**Position of publication:** 11**No. of journals in the cat.:** 151



Impact source: SCOPUS
Impact index in year of publication: 1.299
Position of publication: 7

Impact source: SCOPUS
Impact index in year of publication: 1.299
Position of publication: 4

Impact source: SCOPUS
Impact index in year of publication: 1.299
Position of publication: 22

Impact source: ISI
Impact index in year of publication: 3.096
Position of publication: 20

Impact source: ISI
Impact index in year of publication: 3.096
Position of publication: 15

Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 64

Category: Signal Processing
Journal in the top 25%: Yes
No. of journals in the cat.: 82

Category: Software
Journal in the top 25%: Yes
No. of journals in the cat.: 375

Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 249

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 123

- 64** Seguí, S.; Drozdza, M.; Zaytseva, M.; Malagelada, C.; Azpiroz, F.; Radeva, P.; Vitrià, J. Detection of wrinkle frames in endoluminal videos using betweenness centrality measures for images. IEEE Transactions On Information Technology in Biomedicine. 31/01/2014.

DOI: 10.1109/JBHI.2014.2304179

Type of production: Scientific paper

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 2.493
Position of publication: 14

Impact source: ISI

Impact index in year of publication: 2.493
Position of publication: 17

Impact source: ISI

Impact index in year of publication: 2.493
Position of publication: 5

Impact source: ISI

Impact index in year of publication: 2.493
Position of publication: 12

Format: Journal

Category: COMPUTER SCIENCE, INFORMATION SYSTEMS

Journal in the top 25%: Yes
No. of journals in the cat.: 139

Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

Journal in the top 25%: Yes
No. of journals in the cat.: 102

Category: MEDICAL INFORMATICS

Journal in the top 25%: Yes
No. of journals in the cat.: 24

Category: MATHEMATICAL & COMPUTATIONAL BIOLOGY

Journal in the top 25%: Yes
No. of journals in the cat.: 57

- 65** Su-Lin Lee; Stefanie Demirci; Petia Radeva; Gözde B. Ünal. Editorial note. Computerized Medical Imaging and Graphics. 38 - 2, pp. 69 - 69. 2014.

Type of production: Scientific paper

Total no. authors: 4

Impact source: SCOPUS

Format: Journal

Category: Computer Graphics and Computer-Aided Design

Impact index in year of publication: 0.526
Position of publication: 15

Impact source: SCOPUS
Impact index in year of publication: 0.526
Position of publication: 18

Impact source: SCOPUS
Impact index in year of publication: 0.526
Position of publication: 15

Impact source: SCOPUS
Impact index in year of publication: 0.526
Position of publication: 64

Impact source: SCOPUS
Impact index in year of publication: 0.526
Position of publication: 13

Impact source: ISI
Impact index in year of publication: 1.218
Position of publication: 53

Impact source: ISI
Impact index in year of publication: 1.218
Position of publication: 91

Journal in the top 25%: Yes
No. of journals in the cat.: 62

Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 64

Category: Health Informatics
Journal in the top 25%: Yes
No. of journals in the cat.: 54

Category: Radiology, Nuclear Medicine and Imaging
Journal in the top 25%: Yes
No. of journals in the cat.: 254

Category: Radiological and Ultrasound Technology
Journal in the top 25%: Yes
No. of journals in the cat.: 44

Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
No. of journals in the cat.: 76

Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING
Journal in the top 25%: Yes
No. of journals in the cat.: 125

- 66** Simeon Petkov; Xavier Carrillo; Petia Radeva; Carlo Gatta. Diaphragm border detection in coronary X-ray angiographies: New method and applications. Computerized Medical Imaging and Graphics. 2014. Available on-line at: <[http://www.medicalimagingandgraphics.com/article/S0895-6111\(14\)00005-6/abstract](http://www.medicalimagingandgraphics.com/article/S0895-6111(14)00005-6/abstract)>.

DOI: 10.1016/j.compmedimag.2014.01.003

Type of production: Scientific paper

Total no. authors: 4

Impact source: SCOPUS

Impact index in year of publication: 0.526
Position of publication: 15

Impact source: SCOPUS
Impact index in year of publication: 0.526
Position of publication: 18

Impact source: SCOPUS
Impact index in year of publication: 0.526
Position of publication: 15

Impact source: SCOPUS
Impact index in year of publication: 0.526
Position of publication: 64

Impact source: SCOPUS
Impact index in year of publication: 0.526
Position of publication: 13

Format: Journal

Category: Computer Graphics and Computer-Aided Design

Journal in the top 25%: Yes
No. of journals in the cat.: 62

Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 64

Category: Health Informatics
Journal in the top 25%: Yes
No. of journals in the cat.: 54

Category: Radiology, Nuclear Medicine and Imaging
Journal in the top 25%: Yes
No. of journals in the cat.: 254

Category: Radiological and Ultrasound Technology
Journal in the top 25%: Yes
No. of journals in the cat.: 44



Impact source: ISI
Impact index in year of publication: 1.218
Position of publication: 53

Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
No. of journals in the cat.: 76

Impact source: ISI
Impact index in year of publication: 1.218
Position of publication: 91

Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING
Journal in the top 25%: Yes
No. of journals in the cat.: 125

- 67** Francesco Ciompi; Oriol Pujol; Petia Radeva. ECOC-DRF: Discriminative random fields based on error correcting output codes. Pattern Recognition. 47 - 6, pp. 2193 - 2204. 2014.

Type of production: Scientific paper
Total no. authors: 3

Format: Journal

Impact source: SCOPUS
Impact index in year of publication: 1.299
Position of publication: 11

Category: Artificial Intelligence
Journal in the top 25%: Yes
No. of journals in the cat.: 151

Impact source: SCOPUS
Impact index in year of publication: 1.299
Position of publication: 7

Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 64

Impact source: SCOPUS
Impact index in year of publication: 1.299
Position of publication: 4

Category: Signal Processing
Journal in the top 25%: Yes
No. of journals in the cat.: 82

Impact source: SCOPUS
Impact index in year of publication: 1.299
Position of publication: 22

Category: Software
Journal in the top 25%: Yes
No. of journals in the cat.: 375

Impact source: ISI
Impact index in year of publication: 3.096
Position of publication: 20

Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 249

Impact source: ISI
Impact index in year of publication: 3.096
Position of publication: 15

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 123

- 68** Adriana Romero; Petia Radeva; Carlo Gatta. No more meta-parameter tuning in unsupervised sparse feature learning. arXiv.org CoRR abs/1402.5766. (United States of America): Cornell University Library, 2014. Available on-line at: <<http://arxiv.org/abs/1402.5766>>.

Type of production: Scientific paper
Total no. authors: 3

Format: Book

- 69** Drozdal M.; Seguí S.; Vitrià J.; Malagelada C.; Azpiroz F.; Radeva P. Adaptable image cuts for motility inspection using WCE. Computerized Medical Imaging and Graphics. 01/01/2013.

DOI: 10.1016/j.compmedimag.2012.09.002

Type of production: Scientific paper
Total no. authors: 6

Format: Journal

Impact source: SCOPUS
Impact index in year of publication: 0.636

Category: Computer Graphics and Computer-Aided Design
Journal in the top 25%: Yes

Position of publication: 10

Impact source: SCOPUS

Impact index in year of publication: 0.636

Position of publication: 17

Impact source: SCOPUS

Impact index in year of publication: 0.636

Position of publication: 10

Impact source: SCOPUS

Impact index in year of publication: 0.636

Position of publication: 48

Impact source: SCOPUS

Impact index in year of publication: 0.636

Position of publication: 11

Impact source: ISI

Impact index in year of publication: 1.496

Position of publication: 43

Impact source: ISI

Impact index in year of publication: 1.496

Position of publication: 72

Source of citations: WOS

No. of journals in the cat.: 61

Category: Computer Vision and Pattern Recognition

Journal in the top 25%: Yes

No. of journals in the cat.: 63

Category: Health Informatics

Journal in the top 25%: Yes

No. of journals in the cat.: 52

Category: Radiology, Nuclear Medicine and Imaging

Journal in the top 25%: Yes

No. of journals in the cat.: 248

Category: Radiological and Ultrasound Technology

Journal in the top 25%: Yes

No. of journals in the cat.: 44

Category: ENGINEERING, BIOMEDICAL

Journal in the top 25%: Yes

No. of journals in the cat.: 77

Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING

Journal in the top 25%: Yes

No. of journals in the cat.: 121

Citations: 0

- 70** Marina Alberti; Simone Balocco; Xavier Carrillo; Fina Mauri; Petia Radeva. Automatic non-rigid temporal alignment of intravascular ultrasound sequences: method and quantitative validation. Ultrasound in Medicine and Biology. 39 - 9, pp. 1698 - 1712. 2013.

Type of production: Scientific paper

Total no. authors: 5

Impact source: SCOPUS

Impact index in year of publication: 0.916

Position of publication: 35

Impact source: SCOPUS

Impact index in year of publication: 0.916

Position of publication: 932

Impact source: SCOPUS

Impact index in year of publication: 0.916

Position of publication: 42

Impact source: SCOPUS

Impact index in year of publication: 0.916

Position of publication: 10

Impact source: ISI

Impact index in year of publication: 2.099

Position of publication: 6

Impact source: ISI

Format: Journal

Category: Biophysics

Journal in the top 25%: Yes

No. of journals in the cat.: 117

Category: Medicine (all)

Journal in the top 25%: Yes

No. of journals in the cat.: 3.233

Category: Radiology, Nuclear Medicine and Imaging

Journal in the top 25%: Yes

No. of journals in the cat.: 248

Category: Radiological and Ultrasound Technology

Journal in the top 25%: Yes

No. of journals in the cat.: 44

Category: ACOUSTICS

Journal in the top 25%: Yes

No. of journals in the cat.: 29



Impact index in year of publication: 2.099
Position of publication: 45

Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING
Journal in the top 25%: Yes
No. of journals in the cat.: 121

- 71** Simone Balocco; Carlo Gatta; Marina Alberti; Xavier Carrillo; Juan Rigla; Petia Radeva. Relation between plaque type, plaque thickness, blood shear stress, and plaque stress in coronary arteries assessed by X-ray angiography and intravascular ultrasound. Medical Physics. 39 - 12, pp. 7430 - 7445. 12/2012.

DOI: 10.1118/1.4760993

Handle: <http://hdl.handle.net/2445/53327>

Type of production: Scientific paper

Position of signature: 6

Total no. authors: 6

Impact source: SCOPUS

Impact index in year of publication: 0.546

Position of publication: 47

Impact source: SCOPUS

Impact index in year of publication: 0.546

Position of publication: 34

Impact source: SCOPUS

Impact index in year of publication: 0.546

Position of publication: 968

Impact source: ISI

Impact index in year of publication: 2.911

Position of publication: 27

Format: Journal

Category: Radiology, Nuclear Medicine and Imaging

Journal in the top 25%: Yes

No. of journals in the cat.: 244

Category: Biophysics

Journal in the top 25%: Yes

No. of journals in the cat.: 115

Category: Medicine (all)

Journal in the top 25%: Yes

No. of journals in the cat.: 3.199

Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING

Journal in the top 25%: Yes

No. of journals in the cat.: 120

- 72** Segui, S.; Drozdal, M.; Vilarino, F.; Malagelada, C.; Azpiroz, F.; Radeva, P.; Vitria, J. Categorization and Segmentation of Intestinal Content Frames for Wireless Capsule Endoscopy. IEEE Transactions On Information Technology in Biomedicine. 16 - 6, pp. 1341 - 1352. 01/11/2012.

DOI: 10.1109/TITB.2012.2221472

Type of production: Scientific paper

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 1.978

Position of publication: 21

Impact source: ISI

Impact index in year of publication: 1.978

Position of publication: 25

Impact source: ISI

Impact index in year of publication: 1.978

Position of publication: 9

Impact source: ISI

Impact index in year of publication: 1.978

Format: Journal

Category: COMPUTER SCIENCE, INFORMATION SYSTEMS

Journal in the top 25%: Yes

No. of journals in the cat.: 132

Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

Journal in the top 25%: Yes

No. of journals in the cat.: 100

Category: MEDICAL INFORMATICS

Journal in the top 25%: Yes

No. of journals in the cat.: 23

Category: MATHEMATICAL & COMPUTATIONAL BIOLOGY

Journal in the top 25%: Yes

**Position of publication:** 20**No. of journals in the cat.:** 47**Source of citations:** WOS**Citations:** 0

- 73** Hernández-Vela, A.; Gatta, C.; Escalera, S.; Igual, L.; Martín-Yuste, V.; Sabaté, M.; Radeva, P. Accurate coronary centerline extraction, caliber estimation, and catheter detection in angiographies. IEEE Transactions On Information Technology in Biomedicine. 16 - 6, pp. 1332 - 1340. 19/09/2012.

DOI: 10.1109/TITB.2012.2220781**Type of production:** Scientific paper**Format:** Journal**Total no. authors:** 7**Impact source:** ISI**Category:** COMPUTER SCIENCE, INFORMATION SYSTEMS**Impact index in year of publication:** 1.978**Journal in the top 25%:** Yes**Position of publication:** 21**No. of journals in the cat.:** 132**Impact source:** ISI**Category:** COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS**Impact index in year of publication:** 1.978**Journal in the top 25%:** Yes**Position of publication:** 25**No. of journals in the cat.:** 100**Impact source:** ISI**Category:** MEDICAL INFORMATICS**Impact index in year of publication:** 1.978**Journal in the top 25%:** Yes**Position of publication:** 9**No. of journals in the cat.:** 23**Impact source:** ISI**Category:** MATHEMATICAL & COMPUTATIONAL BIOLOGY**Impact index in year of publication:** 1.978**Journal in the top 25%:** Yes**Position of publication:** 20**No. of journals in the cat.:** 47

- 74** Igual, L.; Soliva, J.C.; Escalera, S.; Giménez, R.; Vilarroya, O.; Radeva, P. Automatic brain caudate nuclei segmentation and classification in diagnostic of attention-deficit/hyperactivity disorder. Computerized Medical Imaging and Graphics. 36 - 8, pp. 591 - 600. 01/08/2012. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0895611112001516#>>.

DOI: 10.1016/j.compmedimag.2012.08.002**Type of production:** Scientific paper**Format:** Journal**Total no. authors:** 6**Impact source:** SCOPUS**Category:** Computer Graphics and Computer-Aided Design**Impact index in year of publication:** 0.595**Journal in the top 25%:** Yes**Position of publication:** 6**No. of journals in the cat.:** 62**Impact source:** SCOPUS**Category:** Computer Vision and Pattern Recognition**Impact index in year of publication:** 0.595**Journal in the top 25%:** Yes**Position of publication:** 15**No. of journals in the cat.:** 58**Impact source:** SCOPUS**Category:** Health Informatics**Impact index in year of publication:** 0.595**Journal in the top 25%:** Yes**Position of publication:** 8**No. of journals in the cat.:** 51**Impact source:** SCOPUS**Category:** Radiology, Nuclear Medicine and Imaging**Impact index in year of publication:** 0.595**Journal in the top 25%:** Yes**Position of publication:** 41**No. of journals in the cat.:** 244**Impact source:** SCOPUS**Category:** Radiological and Ultrasound Technology



Impact index in year of publication: 0.595
Position of publication: 10

Impact source: ISI
Impact index in year of publication: 1.664
Position of publication: 38

Impact source: ISI

Impact index in year of publication: 1.664
Position of publication: 59

Journal in the top 25%: Yes
No. of journals in the cat.: 44

Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
No. of journals in the cat.: 79

Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING
Journal in the top 25%: Yes
No. of journals in the cat.: 120

- 75** Hernández-Vela, A.; Zlateva, N.; Marinov, A.; Reyes, M.; Radeva, P.; Dimov, D.; Escalera, S. Human Limb Segmentation in Depth Maps based on Spatio-Temporal Graph Cuts Optimization. Journal of Ambient Intelligence and Smart Environments. 4 - 6, pp. 535 - 546. 01/06/2012.

Type of production: Scientific paper
Total no. authors: 7

Impact source: SCOPUS
Impact index in year of publication: 0.641
Position of publication: 103

Impact source: ISI
Impact index in year of publication: 1.298
Position of publication: 26

Impact source: ISI

Impact index in year of publication: 1.298
Position of publication: 54

Impact source: ISI

Impact index in year of publication: 1.298
Position of publication: 43

Format: Journal

Category: Software
Journal in the top 25%: Yes
No. of journals in the cat.: 364

Category: TELECOMMUNICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 78

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 115

Category: COMPUTER SCIENCE, INFORMATION SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 132

- 76** Bautista, M.A.; Escalera, S.; Baró, X.; Radeva, P.; Vitrià, J.; Pujol, O. Minimal Design of Error Correcting Output Codes. Pattern Recognition Letters. 33 - 6, pp. 693 - 702. 15/04/2012.

Type of production: Scientific paper
Total no. authors: 6

Impact source: SCOPUS
Impact index in year of publication: 0.66
Position of publication: 52

Impact source: SCOPUS
Impact index in year of publication: 0.66
Position of publication: 16

Impact source: SCOPUS
Impact index in year of publication: 0.66
Position of publication: 16

Impact source: SCOPUS
Impact index in year of publication: 0.66

Format: Journal

Category: Artificial Intelligence
Journal in the top 25%: Yes
No. of journals in the cat.: 145

Category: Computer Vision and Pattern Recognition
Journal in the top 25%: Yes
No. of journals in the cat.: 58

Category: Signal Processing
Journal in the top 25%: Yes
No. of journals in the cat.: 70

Category: Software
Journal in the top 25%: Yes

**Position of publication:** 92**Impact source:** ISI**Impact index in year of publication:** 1.266**Position of publication:** 56**No. of journals in the cat.:** 364**Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 115

- 77** Escalera, S.; Baró, X.; Vitrià, J.; Radeva, P.; Raducanu, B. Social network extraction and analysis based on multimodal dyadic interaction. *Sensors*. 12 - 2, pp. 1702 - 1719. 07/02/2012.

DOI: 10.3390/s120201702**Handle:** <http://hdl.handle.net/2445/53330>**Type of production:** Scientific paper**Total no. authors:** 5**Impact source:** SCOPUS**Impact index in year of publication:** 0.671**Position of publication:** 182**Impact source:** SCOPUS**Impact index in year of publication:** 0.671**Position of publication:** 36**Impact source:** SCOPUS**Impact index in year of publication:** 0.671**Position of publication:** 110**Impact source:** SCOPUS**Impact index in year of publication:** 0.671**Position of publication:** 30**Impact source:** ISI**Impact index in year of publication:** 1.953**Position of publication:** 38**Impact source:** ISI**Impact index in year of publication:** 1.953**Position of publication:** 15**Impact source:** ISI**Impact index in year of publication:** 1.953**Position of publication:** 8**Format:** Journal**Category:** Biochemistry**Journal in the top 25%:** Yes**No. of journals in the cat.:** 358**Category:** Analytical Chemistry**Journal in the top 25%:** Yes**No. of journals in the cat.:** 89**Category:** Electrical and Electronic Engineering**Journal in the top 25%:** Yes**No. of journals in the cat.:** 615**Category:** Atomic and Molecular Physics, and Optics**Journal in the top 25%:** Yes**No. of journals in the cat.:** 145**Category:** CHEMISTRY, ANALYTICAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 75**Category:** ELECTROCHEMISTRY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 26**Category:** INSTRUMENTS & INSTRUMENTATION**Journal in the top 25%:** Yes**No. of journals in the cat.:** 57

- 78** Casale, P.; Pujol, O.; Radeva, P. Personalization and user verification in wearable systems using biometric walking patterns. *Personal And Ubiquitous Computing*. 16 - 5, pp. 563 - 580. 2012.

Type of production: Scientific paper**Total no. authors:** 3**Impact source:** SCOPUS**Impact index in year of publication:** 0.42**Position of publication:** 63**Impact source:** SCOPUS**Impact index in year of publication:** 0.42**Position of publication:** 21**Format:** Journal**Category:** Computer Science Applications**Journal in the top 25%:** Yes**No. of journals in the cat.:** 464**Category:** Hardware and Architecture**Journal in the top 25%:** Yes**No. of journals in the cat.:** 136

Impact source: SCOPUS

Impact index in year of publication: 0.42

Position of publication: 9

Impact source: ISI

Impact index in year of publication: 1.133

Position of publication: 31

Impact source: ISI

Impact index in year of publication: 1.133

Position of publication: 54

Source of citations: WOS

Relevant results: Com directora del treball, ocupo l'última posició d'autors.

Category: Management Science and Operations Research

Journal in the top 25%: Yes

No. of journals in the cat.: 112

Category: TELECOMMUNICATIONS

Journal in the top 25%: Yes

No. of journals in the cat.: 78

Category: COMPUTER SCIENCE, INFORMATION SYSTEMS

Journal in the top 25%: Yes

No. of journals in the cat.: 132

Citations: 0

- 79** Ciompi, F.; Pujol, O.; Gatta, C.; Alberti, M.; Balocco, S.; Carrillo, X.; Mauri-Ferre, J.; Radeva, P. *HoliMAb: A holistic approach for Media-Adventitia border detection in intravascular ultrasound. Medical Image Analysis.* 16 - 6, pp. 1085 - 1100. 2012.

Type of production: Scientific paper

Total no. authors: 8

Impact source: SCOPUS

Impact index in year of publication: 1.634

Position of publication: 2

Impact source: SCOPUS

Impact index in year of publication: 1.634

Position of publication: 4

Impact source: SCOPUS

Impact index in year of publication: 1.634

Position of publication: 1

Impact source: SCOPUS

Impact index in year of publication: 1.634

Position of publication: 11

Impact source: SCOPUS

Impact index in year of publication: 1.634

Position of publication: 3

Impact source: ISI

Impact index in year of publication: 4.087

Position of publication: 5

Impact source: ISI

Impact index in year of publication: 4.087

Position of publication: 14

Impact source: ISI

Impact index in year of publication: 4.087

Format: Journal

Category: Computer Graphics and Computer-Aided Design

Journal in the top 25%: Yes

No. of journals in the cat.: 62

Category: Computer Vision and Pattern Recognition

Journal in the top 25%: Yes

No. of journals in the cat.: 58

Category: Health Informatics

Journal in the top 25%: Yes

No. of journals in the cat.: 51

Category: Radiology, Nuclear Medicine and Imaging

Journal in the top 25%: Yes

No. of journals in the cat.: 244

Category: Radiological and Ultrasound Technology

Journal in the top 25%: Yes

No. of journals in the cat.: 44

Category: ENGINEERING, BIOMEDICAL

Journal in the top 25%: Yes

No. of journals in the cat.: 79

Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING

Journal in the top 25%: Yes

No. of journals in the cat.: 120

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: Yes

**Position of publication:** 7**Impact source:** ISI**Impact index in year of publication:** 4.087**Position of publication:** 4**Source of citations:** WOS**No. of journals in the cat.:** 115**Category:** COMPUTER SCIENCE,
INTERDISCIPLINARY APPLICATIONS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 100**Citations:** 2

- 80** Ponce, V.; Gorga, M.; Baró, X.; Radeva, P.; Escalera, S. Análisis de la expresión oral y gestual en proyectos fin de carrera vía un sistema de visión artificial. *ReVisión*. 4 - 1, pp. 8 - 18. 2011.

Type of production: Scientific paper**Format:** Journal**Total no. authors:** 5

- 81** Igual, L.; Soliva, J.C.; Hernández-Vela, A.; Escalera, S.; Jiménez, X.; Vilarroya, O.; Radeva, P. A fully-automatic caudate nucleus segmentation o brain MRI: application in volumetric analysis of pediatric attention-deficit/hyperactivity disorder. *Biomedical Engineering Online*. 2011. Available on-line at: <<http://www.biomedical-engineering-online.com/content/10/1/105>>.

Handle: <http://hdl.handle.net/2445/21497>**Type of production:** Scientific paper**Format:** Journal**Total no. authors:** 7**Impact source:** SCOPUS**Category:** Biomedical Engineering**Impact index in year of publication:** 0.517**Journal in the top 25%:** Yes**Position of publication:** 75**No. of journals in the cat.:** 160**Impact source:** SCOPUS**Category:** Biomaterials**Impact index in year of publication:** 0.517**Journal in the top 25%:** Yes**Position of publication:** 40**No. of journals in the cat.:** 56**Impact source:** SCOPUS**Category:** Radiology, Nuclear Medicine and Imaging**Impact index in year of publication:** 0.517**Journal in the top 25%:** Yes**Position of publication:** 106**No. of journals in the cat.:** 229**Impact source:** SCOPUS**Category:** Radiological and Ultrasound Technology**Impact index in year of publication:** 0.517**Journal in the top 25%:** Yes**Position of publication:** 19**No. of journals in the cat.:** 42**Impact source:** ISI**Category:** ENGINEERING, BIOMEDICAL**Impact index in year of publication:** 1.41**Journal in the top 25%:** Yes**Position of publication:** 45**No. of journals in the cat.:** 72

- 82** Seabra, J.; Ciompi, F.; Pujol, O.; Radeva, P.; Sanches, J. Rayleigh Mixture Model for Plaque Characterization in Intravascular Ultrasound. *IEEE Transactions on Biomedical Engineering*. 58 - 5, pp. 1314 - 1324. 2011.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 5**Total no. authors:** 5**Impact source:** SCOPUS**Category:** Biomedical Engineering**Impact index in year of publication:** 0.715**Journal in the top 25%:** Yes**Position of publication:** 32**No. of journals in the cat.:** 160**Impact source:** SCOPUS**Category:** Medicine (all)**Impact index in year of publication:** 0.715**Journal in the top 25%:** Yes**Position of publication:** 789**No. of journals in the cat.:** 3.161

**Impact source:** ISI**Impact index in year of publication:** 2.28**Position of publication:** 22**Source of citations:** WOS**Category:** ENGINEERING, BIOMEDICAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 72**Citations:** 0

- 83** Carrillo, X.; Fernandez-Nofrerias, E.; Ciompi, F.; Rodriguez-Leor, O.; Radeva, P.; Salvatella, N.; Pujol, O.; Mauri, J.; Bayes-Genis, A. Changes in Radial Artery Volume Assessed Using Intravascular Ultrasound: A Comparison of Two Vasodilator Regimens in Transradial Coronary Interventions. *Journal of Invasive Cardiology*. 23 - 10, pp. 401 - 404. 2011.

Type of production: Scientific paper**Position of signature:** 5**Total no. authors:** 9**Impact source:** SCOPUS**Impact index in year of publication:** 0.664**Position of publication:** 1.757**Impact source:** SCOPUS**Impact index in year of publication:** 0.664**Position of publication:** 151**Impact source:** SCOPUS**Impact index in year of publication:** 0.664**Position of publication:** 116**Impact source:** ISI**Impact index in year of publication:** 1.84**Position of publication:** 63**Format:** Journal**Category:** Medicine (all)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 3.161**Category:** Cardiology and Cardiovascular Medicine**Journal in the top 25%:** Yes**No. of journals in the cat.:** 295**Category:** Radiology, Nuclear Medicine and Imaging**Journal in the top 25%:** Yes**No. of journals in the cat.:** 229**Category:** CARDIAC & CARDIOVASCULAR SYSTEMS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 117

- 84** Alberti, M.; Balocco, S.; Gatta, C.; Ciompi, F.; Pujol, O.; Silva, J.; Carrillo, X.; Radeva, P. Automatic Bifurcation Detection in Coronary IVUS Sequences. *IEEE Transactions on Biomedical Engineering*. 59 - 4, pp. 1022 - 1031. 2011.

Type of production: Scientific paper**Total no. authors:** 8**Impact source:** SCOPUS**Impact index in year of publication:** 0.715**Position of publication:** 32**Impact source:** SCOPUS**Impact index in year of publication:** 0.715**Position of publication:** 789**Impact source:** ISI**Impact index in year of publication:** 2.28**Position of publication:** 22**Format:** Journal**Category:** Biomedical Engineering**Journal in the top 25%:** Yes**No. of journals in the cat.:** 160**Category:** Medicine (all)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 3.161**Category:** ENGINEERING, BIOMEDICAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 72

- 85** Escalera, S.; Fornés, A.; Pujol, O.; Lladós, J.; Radeva, P. Circular Blurred Shape Model for Multiclass Symbol Recognition. *IEEE Transactions on Systems Man and Cybernetics Part B-Cybernetics*. 41 - 2, pp. 497 - 506. 2011.

Type of production: Scientific paper**Position of signature:** 5**Total no. authors:** 5**Format:** Journal

**Impact source:** ISI**Impact index in year of publication:** 3.08**Position of publication:** 10**Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 111**Impact source:** ISI**Impact index in year of publication:** 3.08**Position of publication:** 1**Category:** COMPUTER SCIENCE, CYBERNETICS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 20**Impact source:** ISI**Impact index in year of publication:** 3.08**Position of publication:** 2**Category:** AUTOMATION & CONTROL SYSTEMS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 58

- 86** Hernández, A.; Gatta, C.; Escalera, S.; Igual, L.; Martín-Yuste, V.; Radeva, P. Accurate and robust fully-automatic QCA: Method and numerical validation. Lecture Notes in Computer Science 6893. (Canada): Springer Verlag, 2011. ISBN 978-3-642-23625-9

Type of production: Scientific paper**Format:** Book**Total no. authors:** 6

- 87** Malagelada, C.; De Iorio, F.; Seguí, S.; Méndez, S.; Drozdal, M.; Vitrià, J.; Radeva, R.; Santos, J.; Accarino, A.; Malagelada, J.R.; Azpiroz, F. Alteración de la función motora en los trastornos intestinales funcionales. Semana de las Enfermedades Digestivas. Semana De Las Enfermedades Digestivas (DDW 2011). Revista Española de Enfermedades Digestivas, (supl 1). Madrid(Spain): 2011.

Type of production: Scientific paper**Format:** Book**Total no. authors:** 11

- 88** Escalera, S.; Martínez, R.M.; Vitrià, J.; Radeva, P.; Anguera, M.T. Automatic Dominance Detection in Dyadic Conversations. Escritos de Psicología. 3 - 2, pp. 41 - 45. 2010.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 4**Total no. authors:** 5

- 89** Sergio Escalera, Oriol Pujol, Petia Radeva. Traffic sign recognition system with β -correction. Machine Vision Application. 21 - 2, pp. 99 - 111. 2010.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 3**Total no. authors:** 1

- 90** Escalera, S.; Pujol, O.; Radeva, P.; Vitrià, J.; Anguera, M.T. Automatic Detection of Dominance and Expected Interest. EURASIP Journal on Advances in Signal Processing. 2010 - 39, pp. 1 - 12. 2010.

DOI: 10.1155/2010/491819**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 3**Total no. authors:** 5**Impact source:** ISI**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Impact index in year of publication:** 1.053**Journal in the top 25%:** Yes**Position of publication:** 118**No. of journals in the cat.:** 247



- 91** Sergio Escalera, Oriol Pujol, Petia Radeva. Re-coding ECOs without re-training. Pattern Recognition Letters. 31 - 7, pp. 555 - 562. 2010.
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 1
Impact source: ISI
Impact index in year of publication: 1.235
Position of publication: 62
Relevant results: 52 de 93
Format: Journal
Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 108
- 92** Ciompi, F.; Pujol, O.; Rodríguez-Leor, O.; Gatta, C.; Serrano-Vida, A.; Fernández-Nofrerías, E.; Mauri, J.; Radeva, P. Fusing in-vitro and in-vivo IVUS data for plaque characterization. International Journal of Cardiovascular Imaging. 26 - 7, pp. 763 - 779. 2010.
Type of production: Scientific paper
Position of signature: 6
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 2.539
Position of publication: 45
Impact source: ISI
Impact index in year of publication: 2.539
Position of publication: 40
Format: Journal
Category: CARDIAC & CARDIOVASCULAR SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 114
Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING
Journal in the top 25%: Yes
No. of journals in the cat.: 113
- 93** Rotger, D; Radeva, P; Bruining, N. Automatic Detection of Bioabsorbable Coronary Stents in IVUS Images using a Cascade of Classifiers. IEEE Transactions On Information Technology in Biomedicine. 14 - 2, pp. 1616 - 1620. 2010.
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 3
Impact source: ISI
Impact index in year of publication: 1.707
Position of publication: 37
Impact source: ISI
Impact index in year of publication: 1.707
Position of publication: 29
Impact source: ISI
Impact index in year of publication: 1.707
Position of publication: 11
Impact source: ISI
Impact index in year of publication: 1.707
Position of publication: 20
Format: Journal
Category: COMPUTER SCIENCE, INFORMATION SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 127
Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 97
Category: MEDICAL INFORMATICS
Journal in the top 25%: Yes
No. of journals in the cat.: 22
Category: MATHEMATICAL & COMPUTATIONAL BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 35

- 94** Balocco, S.; Gatta, C.; Pujol, O.; Mauri, J.; Radeva, P. SRBF: Speckle Reducing Bilateral Filtering. *Ultrasound in Medicine and Biology*. 36 - 8, pp. 1352 - 1363. 2010.
Type of production: Scientific paper **Format:** Journal
Position of signature: 5
Total no. authors: 5
Impact source: ISI **Category:** ACOUSTICS
Impact index in year of publication: 2.493 **Journal in the top 25%:** Yes
Position of publication: 4 **No. of journals in the cat.:** 30
Impact source: ISI **Category:** RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING
Impact index in year of publication: 2.493 **Journal in the top 25%:** Yes
Position of publication: 42 **No. of journals in the cat.:** 113
Relevant results: Com directora del treball, ocupo l'última posició entre els autors.
- 95** Leor, O.R.; Ciompi, F.; Hemetsberger, R.; Fernandez-Nofrerias, E.; Salvatella, N.; Carrillo, X.; Pujol, O.; Radeva, P.; Mauri, F.; Bayes-Genis, A. Coronary plaque characterization using 40 MHz IVUS radiofrequency: a fusion study of in vivo and ex vivo data. *European Heart Journal Supplements*. 2010.
Type of production: Scientific paper **Format:** Journal
Total no. authors: 10
Impact source: ISI **Category:** CARDIAC & CARDIOVASCULAR SYSTEMS
Impact index in year of publication: 2.153 **Journal in the top 25%:** Yes
Position of publication: 53 **No. of journals in the cat.:** 114
- 96** Escalera, S.; Pujol, O.; Radeva, P. Error-Correcting Output Codes Library. *Journal of Machine Learning Research*. 11 - February, pp. 661 - 664. 2010.
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 3
Impact source: ISI **Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 2.974 **Journal in the top 25%:** Yes
Position of publication: 8 **No. of journals in the cat.:** 108
Impact source: ISI **Category:** AUTOMATION & CONTROL SYSTEMS
Impact index in year of publication: 2.974 **Journal in the top 25%:** Yes
Position of publication: 2 **No. of journals in the cat.:** 60
Relevant results: Esta revista es una de las de mayor prestigio dentro de nuestro campo de investigación. El artículo va acompañado por una librería de dominio público sobre un conjunto extenso de técnicas de codificación y decodificación para la clasificación multiclase.
- 97** Escalera, S.; Pujol, O.; Radeva, P. On the Decoding Process in Ternary Error-Correcting Output Codes. *IEEE Transactions on Pattern Analysis and Machine Intelligence*. 32 - 1, pp. 120 - 134. 2010.
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 3
Impact source: ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC
Impact index in year of publication: 5.308 **Journal in the top 25%:** Yes
Position of publication: 2 **No. of journals in the cat.:** 247

**Impact source:** ISI**Impact index in year of publication:** 5.308**Position of publication:** 1**Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE**Journal in the top 25%:** Yes**No. of journals in the cat.:** 108

- 98** Vilarino, F.; Spyridonos, P.; Deiorio, F.; Vitria, J.; Azpiroz, F.; Radeva, P. Intestinal motility assessment with video capsule endoscopy: automatic annotation of phasic intestinal contractions. IEEE Transactions on Medical Imaging. 2010.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 6**Total no. authors:** 6**Impact source:** ISI**Category:** ENGINEERING, BIOMEDICAL**Impact index in year of publication:** 3.639**Journal in the top 25%:** Yes**Position of publication:** 5**No. of journals in the cat.:** 69**Impact source:** ISI**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Impact index in year of publication:** 3.639**Journal in the top 25%:** Yes**Position of publication:** 7**No. of journals in the cat.:** 247**Impact source:** ISI**Category:** IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY**Impact index in year of publication:** 3.639**Journal in the top 25%:** Yes**Position of publication:** 3**No. of journals in the cat.:** 19**Impact source:** ISI**Category:** RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING**Impact index in year of publication:** 3.639**Journal in the top 25%:** Yes**Position of publication:** 17**No. of journals in the cat.:** 113**Impact source:** ISI**Category:** COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS**Impact index in year of publication:** 3.639**Journal in the top 25%:** Yes**Position of publication:** 3**No. of journals in the cat.:** 97

- 99** Salvatella, N.; Fernández-Nofrerías, E.; Ciompi, F.; Rodríguez-Leor, O.; Tizon, H.; Carrillo, X.; Mauri, J.; Radeva, P.; Bayes-Genis, A. Radial Artery Volume Changes After Administration Of Two Different Intra-arterial Drug Regimens. Assessment by Intravascular Ultrasound. Journal of the American College of Cardiology. 2010.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 8**Total no. authors:** 9**Impact source:** ISI**Category:** CARDIAC & CARDIOVASCULAR SYSTEMS**Impact index in year of publication:** 14.293**Journal in the top 25%:** Yes**Position of publication:** 2**No. of journals in the cat.:** 114

- 100** Escalera, S.; Masip, D.; Puertas, E.; Radeva, P.; Pujol, O. Online Error-Correcting Output Codes. Pattern Recognition Letters. 32 - 3, pp. 458 - 467. 2010.

Type of production: Scientific paper**Format:** Journal**Total no. authors:** 5**Impact source:** ISI**Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE**Impact index in year of publication:** 1.235**Journal in the top 25%:** Yes

**Position of publication:** 62**No. of journals in the cat.:** 108**Source of citations:** WOS**Citations:** 0

- 101** Escalera, S.; Fornes, A.; Pujol, O.; Lladós, J.; Radeva, P.; Sanchez, G. Blurred Shape Model for Binary and Grey-level Symbol Recognition. Pattern Recognition Letters. 2009.
Type of production: Scientific paper **Format:** Journal
Position of signature: 4
Total no. authors: 6
Impact source: ISI **Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 1.303 **Journal in the top 25%:** Yes
Position of publication: 54 **No. of journals in the cat.:** 103
- 102** Escalera, S.; Pujol, O.; Radeva P. Separability of Ternary Codes for Sparse Designs of Error-Correcting Output Codes. Pattern Recognition Letters. 30 - 3, pp. 285 - 297. 2009.
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 3
Impact source: ISI **Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 1.303 **Journal in the top 25%:** Yes
Position of publication: 54 **No. of journals in the cat.:** 103
- 103** Gatta, C.; Pujol, O.; Leor, O.R.; Ferre, J.M.; Radeva, P. Fast Rigid Registration of Vascular Structures in IVUS Sequences. IEEE Transactions On Information Technology in Biomedicine. 13 - 6, pp. 1006 - 1011. 2009.
Type of production: Scientific paper **Format:** Journal
Position of signature: 5
Total no. authors: 5
Impact source: ISI **Category:** COMPUTER SCIENCE, INFORMATION SYSTEMS
Impact index in year of publication: 1.694 **Journal in the top 25%:** Yes
Position of publication: 40 **No. of journals in the cat.:** 116
Impact source: ISI **Category:** COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Impact index in year of publication: 1.694 **Journal in the top 25%:** Yes
Position of publication: 27 **No. of journals in the cat.:** 95
Impact source: ISI **Category:** MEDICAL INFORMATICS
Impact index in year of publication: 1.694 **Journal in the top 25%:** Yes
Position of publication: 11 **No. of journals in the cat.:** 23
Impact source: ISI **Category:** MATHEMATICAL & COMPUTATIONAL BIOLOGY
Impact index in year of publication: 1.694 **Journal in the top 25%:** Yes
Position of publication: 19 **No. of journals in the cat.:** 29
- 104** Baró, X.; Escalera, S.; Vitrià, J.; Pujol, O.; Radeva, P. Traffic Sign Recognition Using Evolutionary Adaboost Detection and Forest-ECOC Classification. Ieee Transactions On Intelligent Transportation Systems. 10 - 1, pp. 113 - 126. 2009.



Type of production: Scientific paper
Position of signature: 5
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 2.092
Position of publication: 7

Impact source: ISI

Impact index in year of publication: 2.092
Position of publication: 38

Impact source: ISI

Impact index in year of publication: 2.092
Position of publication: 3

Format: Journal

Category: ENGINEERING, CIVIL
Journal in the top 25%: Yes
No. of journals in the cat.: 106

Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 246

Category: TRANSPORTATION SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 26

- 105** Misael Rosales, Petia Radeva, Oriol Rodriguez-Leor and Debora Gil. Modelling of Image-Catheter Motion for 3-D IVUS. Medical Image Analysis. 2009.

Type of production: Scientific paper
Position of signature: 2
Total no. authors: 1
Impact source: ISI
Impact index in year of publication: 3.093
Position of publication: 11

Impact source: ISI

Impact index in year of publication: 3.093
Position of publication: 20

Impact source: ISI

Impact index in year of publication: 3.093
Position of publication: 9

Impact source: ISI

Impact index in year of publication: 3.093
Position of publication: 6

Format: Journal

Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
No. of journals in the cat.: 59

Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING
Journal in the top 25%: Yes
No. of journals in the cat.: 104

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 103

Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 95

- 106** Hernandez-Sabate, A.; Gil, D.; Fernandez-Nofrerias, E.; Radeva, P.; Marti, E. Approaching Artery Rigid Dynamics in IVUS. IEEE Transactions on Medical Imaging. 28 - 11, pp. 1670 - 1680. 2009.

Type of production: Scientific paper
Position of signature: 4
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 3.54
Position of publication: 6

Impact source: ISI

Impact index in year of publication: 3.54

Format: Journal

Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
No. of journals in the cat.: 59

Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes

**Position of publication:** 9**Impact source:** ISI**Impact index in year of publication:** 3.54**Position of publication:** 2**Impact source:** ISI**Impact index in year of publication:** 3.54**Position of publication:** 14**Impact source:** ISI**Impact index in year of publication:** 3.54**Position of publication:** 4**No. of journals in the cat.:** 246**Category:** IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 13**Category:** RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING**Journal in the top 25%:** Yes**No. of journals in the cat.:** 104**Category:** COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 95

- 107** Malagelada, C.; De Iorio, F.; Azpiroz, F.; Accarino, A.; Segui, S.; Radeva, P.; Malagelada, J.R. Detección de la ausencia de actividad motora intestinal mediante un método automático y no invasivo. Revista Española de Enfermedades Digestivas. Madrid (Spain): 2009.

Type of production: Scientific paper**Format:** Book**Total no. authors:** 7

- 108** Escalera, S.; Pujol, O.; Radeva, P. Intravascular Ultrasound Tissue Characterization with Sub-class Error-Correcting Output Codes. Journal Of Vlsi Signal Processing Systems For Signal Image And Video Technology. 55 - 1-3, pp. 35 - 47. 2008.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 4**Total no. authors:** 3**Impact source:** ISI**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Impact index in year of publication:** 0.779**Journal in the top 25%:** Yes**Position of publication:** 141**No. of journals in the cat.:** 229**Impact source:** ISI**Category:** COMPUTER SCIENCE, INFORMATION SYSTEMS**Impact index in year of publication:** 0.779**Journal in the top 25%:** Yes**Position of publication:** 70**No. of journals in the cat.:** 99

- 109** Escalera, S.; Pujol, O.; Radeva, P. Detection of Complex Salient Regions. EURASIP Journal on Advances in Signal Processing. 2008.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 3**Total no. authors:** 3**Impact source:** ISI**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Impact index in year of publication:** 1.055**Journal in the top 25%:** Yes**Position of publication:** 115**No. of journals in the cat.:** 229

- 110** C. Malagelada; F. De Iorio; F. Azpiroz; A. Accarino; S. Segui; P. Radeva; J.R. Malagelada. Diagnóstico de los trastornos motores del intestino delgado mediante un nuevo método no invasivo y automatizado de análisis de las imágenes endoluminales. Revista Española de Enfermedades Digestivas. 2008.



Type of production: Scientific paper
Position of signature: 6
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 1.263
Position of publication: 44

Format: Journal

Category: GASTROENTEROLOGY & HEPATOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 55

- 111** Pla, F.; Radeva, P.; Vitrià, J. Non-parametric distance-based classification techniques and their applications. Pattern Analysis and Applications. 2008.

Type of production: Scientific paper
Position of signature: 2
Total no. authors: 3
Impact source: ISI

Format: Journal

Impact index in year of publication: 1.367
Position of publication: 50

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 94

- 112** Rodríguez Leor, O.; Gatta, C.; Fernández-Nofrerías, E.; Pujol, O.; Salvatella, N.; Bosch, C.; Tizon, H.; Radeva, P.; Mauri, J. Computationally efficient image-based IVUS pullbacks gating. European Heart Journal Supplements. 2008.

Type of production: Scientific paper
Position of signature: 8
Total no. authors: 9
Impact source: ISI
Impact index in year of publication: 2.1
Position of publication: 41

Format: Journal

Category: CARDIAC & CARDIOVASCULAR SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 78

- 113** Pujol, O.; Escalera, S.; Radeva, P. An incremental node embedding technique for error correcting output codes. Pattern Recognition. 41 - 2, pp. 713 - 725. 2008.

Type of production: Scientific paper
Total no. authors: 3
Impact source: ISI
Impact index in year of publication: 3.279
Position of publication: 17

Format: Journal

Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 229

Impact source: ISI
Impact index in year of publication: 3.279
Position of publication: 10

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 94

- 114** Escalera, S.; Pujol, O.; Radeva, P.; Tax, D.; Duin, R. Subclass Problem-Dependent Design of Error-Correcting Output Codes. IEEE Transactions on Pattern Analysis and Machine Intelligence. 30 - 6, pp. 1041 - 1054. 2008.

Handle: <http://hdl.handle.net/2445/8524>
Type of production: Scientific paper
Position of signature: 4
Total no. authors: 5

Format: Journal

Impact source: ISI
Impact index in year of publication: 5.96

Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes



Position of publication: 1

Impact source: ISI

Impact index in year of publication: 5.96

Position of publication: 1

No. of journals in the cat.: 229

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 94

- 115** Jie Yu; Amores, J.; Sebe, N.; Radeva, P.; Qi Tian. Distance Learning for Similarity Estimation. IEEE Transactions on Pattern Analysis and Machine Intelligence. 30 - 3, pp. 451 - 462. 2008.

Type of production: Scientific paper

Format: Journal

Position of signature: 4

Total no. authors: 5

Impact source: ISI

Category: ENGINEERING, ELECTRICAL & ELECTRONIC

Impact index in year of publication: 5.96

Journal in the top 25%: Yes

Position of publication: 1

No. of journals in the cat.: 229

Impact source: ISI

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 5.96

Journal in the top 25%: Yes

Position of publication: 1

No. of journals in the cat.: 94

- 116** D Gil, O Rodriguez-Leor, P Radeva, J Mauri. Myocardial perfusion characterization from contrast angiography spectral distribution. IEEE Transactions on Medical Imaging. 27 - 5, pp. 641 - 649. 2008.

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Total no. authors: 1

Impact source: ISI

Category: ENGINEERING, BIOMEDICAL

Impact index in year of publication: 4.004

Journal in the top 25%: Yes

Position of publication: 3

No. of journals in the cat.: 51

Impact source: ISI

Category: ENGINEERING, ELECTRICAL & ELECTRONIC

Impact index in year of publication: 4.004

Journal in the top 25%: Yes

Position of publication: 7

No. of journals in the cat.: 229

Impact source: ISI

Category: IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY

Impact index in year of publication: 4.004

Journal in the top 25%: Yes

Position of publication: 1

No. of journals in the cat.: 11

Impact source: ISI

Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING

Impact index in year of publication: 4.004

Journal in the top 25%: Yes

Position of publication: 11

No. of journals in the cat.: 90

Impact source: ISI

Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

Impact index in year of publication: 4.004

Journal in the top 25%: Yes

Position of publication: 1

No. of journals in the cat.: 94



- 117** S. Tanimoto, N. Bruining, D. Rotger, P. Radeva, J. Ligthart, R.T. van Domburg, P.W. Serruys. Late Stent Recoil of the Bioabsorbable Everolimus Eluting Coronary Stent and its Relationship with Stent Struts Distribution and Plaque Morphology. *Journal of the American College of Cardiology*. 52 - 20, pp. 1616 - 1620. 2008.

Type of production: Scientific paper

Format: Journal

Position of signature: 4

Total no. authors: 1

Impact source: ISI

Category: CARDIAC & CARDIOVASCULAR SYSTEMS

Impact index in year of publication: 11.438

Journal in the top 25%: Yes

Position of publication: 2

No. of journals in the cat.: 78

- 118** Malagelada, C.; De Iorio, F.; Azpiroz, F.; Accarino, A.; Seguí, S.; Radeva, P.; Malagelada, J.R. New Insight Into Intestinal Motor Function via Noninvasive Endoluminal Image Analysis. *Journal of Gastroenterology*. 135 - 4, pp. 1155 - 1162. 2008.

Type of production: Scientific paper

Format: Journal

Position of signature: 6

Total no. authors: 7

Impact source: ISI

Category: GASTROENTEROLOGY & HEPATOLOGY

Impact index in year of publication: 3.117

Journal in the top 25%: Yes

Position of publication: 18

No. of journals in the cat.: 55

- 119** Escalera, S.; Pujol, O.; Radeva, P. Boosted Landmarks of Contextual Descriptors and Forest-ECOC: a novel framework to detect and classify objects in cluttered scenes. *Pattern Recognition Letters*. 28 - 13, pp. 1759 - 1768. 2007.

Type of production: Scientific paper

Format: Journal

Total no. authors: 3

Impact source: ISI

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 0.853

Journal in the top 25%: Yes

Position of publication: 52

No. of journals in the cat.: 93

- 120** Vitrià J.; Bressan M.; Radeva P. Bayesian classification of cork stoppers using class-conditional independent component analysis. *IEEE Transactions on Systems, Man and Cybernetics Part C: Applications and Reviews*. 37 - 1, pp. 32 - 38. 2007.

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Total no. authors: 3

Impact source: ISI

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 0.864

Journal in the top 25%: Yes

Position of publication: 51

No. of journals in the cat.: 93

Impact source: ISI

Category: COMPUTER SCIENCE, CYBERNETICS

Impact index in year of publication: 0.864

Journal in the top 25%: Yes

Position of publication: 9

No. of journals in the cat.: 17

Impact source: ISI

Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

Impact index in year of publication: 0.864

Journal in the top 25%: Yes

Position of publication: 46

No. of journals in the cat.: 92

- 121** J. Amores, N. Sebe and P. Radeva. Context-Based Object-Class Recognition and Retrieval by Generalized Correlograms. IEEE Transactions on Pattern Analysis and Machine Intelligence. 29 - 10, pp. 1818 - 1833. 2007.
Type of production: Scientific paper
Format: Journal
Total no. authors: 1
Impact source: ISI
Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Impact index in year of publication: 3.579
Journal in the top 25%: Yes
Position of publication: 2
No. of journals in the cat.: 227
Impact source: ISI
Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 3.579
Journal in the top 25%: Yes
Position of publication: 2
No. of journals in the cat.: 93
- 122** Malagelada, C.; De Iorio, F.; Azpiroz, F.; Maluenda, M.; Volanti, C.; Seguí, S.; Vitrià, J.; Radeva, P.; Accarino, A.; Malagelada, J.R. Precise Diagnosis of Severe Small Bowel Dysmotility by a Novel, Non-invasive and Fully Automated Endoluminal Image Method. Gut. 2007.
Type of production: Scientific paper
Format: Journal
Position of signature: 8
Total no. authors: 10
Impact source: ISI
Category: GASTROENTEROLOGY & HEPATOLOGY
Impact index in year of publication: 10.015
Journal in the top 25%: Yes
Position of publication: 3
No. of journals in the cat.: 50
- 123** D. Gil, P. Radeva. Inhibition of False LandMarks. Pattern Recognition Letters. 27 - 9, pp. 1022 - 1030. 2006.
Type of production: Scientific paper
Format: Journal
Total no. authors: 1
Impact source: ISI
Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 0.952
Journal in the top 25%: Yes
Position of publication: 42
No. of journals in the cat.: 85
- 124** F. Vilariño, L. Kuncheva, P. Radeva. ROC curves and Video Analysis Optimization in Intestinal Capsule Endoscopy. Pattern Recognition Letters. 27 - 8, pp. 875 - 881. 2006.
Type of production: Scientific paper
Format: Journal
Total no. authors: 1
Impact source: ISI
Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 0.952
Journal in the top 25%: Yes
Position of publication: 42
No. of journals in the cat.: 85
- 125** J. Amores and P. Radeva. Registration and Retrieval of Highly Elastic Bodies using Contextual Information. Pattern Recognition Letters. 26 - 11, pp. 1720 - 1731. 2006.
Type of production: Scientific paper
Format: Journal
Total no. authors: 1
Impact source: ISI
Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 0.952
Journal in the top 25%: Yes
Position of publication: 42
No. of journals in the cat.: 85



- 126** J. Amores, N. Sebe, P. Radeva. Boosting the distance estimation. Application to the K-Nearest Neighbour Classifier. Pattern Recognition Letters. 27 - 3, pp. 201 - 209. 2006.
Type of production: Scientific paper
Total no. authors: 1
Impact source: ISI
Impact index in year of publication: 0.952
Position of publication: 42
Format: Journal
Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 85
- 127** D. Gil, A. Hernandez, O. Rodriguez, J. Mauri and P. Radeva. Statistical Strategy for Anisotropic Adventitia Modelling in IVUS. IEEE Transactions on Medical Imaging. 2006.
Type of production: Scientific paper
Total no. authors: 1
Impact source: ISI
Impact index in year of publication: 3.757
Position of publication: 3
Format: Journal
Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
No. of journals in the cat.: 42
Impact source: ISI
Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 202
Impact index in year of publication: 3.757
Position of publication: 3
Category: IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 11
Impact source: ISI
Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING
Journal in the top 25%: Yes
No. of journals in the cat.: 85
Impact index in year of publication: 3.757
Position of publication: 10
Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 87
Impact source: ISI
Impact index in year of publication: 3.757
Position of publication: 3
- 128** Pujol, O.; Radeva, P.; Vitrià, J. Discriminant ECOC: A heuristic method for application dependent design of error correcting output codes. IEEE Transactions on Pattern Analysis and Machine Intelligence. 28 - 6, pp. 1001 - 1007. 2006.
Handle: <http://hdl.handle.net/2445/8522>
Type of production: Scientific paper
Total no. authors: 3
Impact source: ISI
Format: Journal
Category: ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
No. of journals in the cat.: 202
Impact index in year of publication: 4.306
Position of publication: 2
Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 85
Impact source: ISI
Impact index in year of publication: 4.306
Position of publication: 2

- 129** J. Amores, P. Radeva. Retrieval of IVUS Images Using Contextual Information and Elastic Matching. International Journal of Intelligent Systems. 20 - 5, pp. 541 - 560. 2005.
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 1
Impact source: ISI **Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 0.657 **Journal in the top 25%:** Yes
Position of publication: 53 **No. of journals in the cat.:** 79
- 130** Pujol, O.; Gil, D.; Radeva, P. Fundamentals of Stop and Go active models. Image and Vision Computing. 23 - 8, pp. 681 - 691. 2005.
Type of production: Scientific paper **Format:** Journal
Total no. authors: 3
Impact source: ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC
Impact index in year of publication: 1.383 **Journal in the top 25%:** Yes
Position of publication: 49 **No. of journals in the cat.:** 208
Impact source: ISI **Category:** OPTICS
Impact index in year of publication: 1.383 **Journal in the top 25%:** Yes
Position of publication: 21 **No. of journals in the cat.:** 55
Impact source: ISI **Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 1.383 **Journal in the top 25%:** Yes
Position of publication: 30 **No. of journals in the cat.:** 79
Impact source: ISI **Category:** COMPUTER SCIENCE, SOFTWARE ENGINEERING
Impact index in year of publication: 1.383 **Journal in the top 25%:** Yes
Position of publication: 17 **No. of journals in the cat.:** 79
Impact source: ISI **Category:** COMPUTER SCIENCE, THEORY & METHODS
Impact index in year of publication: 1.383 **Journal in the top 25%:** Yes
Position of publication: 18 **No. of journals in the cat.:** 71
- 131** D. Gil and P. Radeva. Extending Anisotropic Operators to Recover Smooth Shapes. Computer Vision and Image Understanding. 99 - 1, pp. 110 - 125. 2005.
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 1
Impact source: ISI **Category:** ENGINEERING, ELECTRICAL & ELECTRONIC
Impact index in year of publication: 1.468 **Journal in the top 25%:** Yes
Position of publication: 44 **No. of journals in the cat.:** 208
Impact source: ISI **Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 1.468 **Journal in the top 25%:** Yes

**Position of publication:** 29**No. of journals in the cat.:** 79

- 132** De Loria, F.; Spyridonos, P.; Azpiroz, F. New insight into intestinal motor activity: Correlation of endoluminal image analysis and displacement. *Gastroenterology*. 2005.

Type of production: Scientific paper**Format:** Journal**Total no. authors:** 3**Impact source:** ISI**Category:** GASTROENTEROLOGY & HEPATOLOGY**Impact index in year of publication:** 12.386**Journal in the top 25%:** Yes**Position of publication:** 1**No. of journals in the cat.:** 46

- 133** P. Radeva. Gent per la ciència. Periódico 'El Punt'. (Spain): 2005.

Type of production: Scientific paper**Format:** Book**Total no. authors:** 1

- 134** Pujol, O.; Radeva, P.; Vitrià, J.; Mauri, J. Adaboost to Classify Plaque Appearance in IVUS Images. *Lecture Notes in Computer Science*. 2004.

Type of production: Scientific paper**Format:** Journal**Total no. authors:** 4**Impact source:** ISI**Category:** COMPUTER SCIENCE, THEORY & METHODS**Impact index in year of publication:** 0.513**Journal in the top 25%:** Yes**Position of publication:** 53**No. of journals in the cat.:** 70

- 135** Pujol, O.; Radeva, P. Texture segmentation by statistic deformable models. *Journal of Image and Graphics*. 3 - 4, pp. 433 - 452. 2004.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 2**Total no. authors:** 2

- 136** Rosales, M.; Pujol, O.; Radeva, P. Simulation Model of intravascular ultrasound images. *Lecture Notes in Computer Science*. 2004.

Type of production: Scientific paper**Format:** Journal**Total no. authors:** 3**Impact source:** ISI**Category:** COMPUTER SCIENCE, THEORY & METHODS**Impact index in year of publication:** 0.513**Journal in the top 25%:** Yes**Position of publication:** 53**No. of journals in the cat.:** 70

- 137** D. Gil, P. Radeva. Shape Restoration via a Regularized Curvature Flow. *Journal of Mathematical Imaging and Vision*. 2004.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 2**Total no. authors:** 1**Impact source:** ISI**Category:** MATHEMATICS, APPLIED**Impact index in year of publication:** 0.887**Journal in the top 25%:** Yes**Position of publication:** 38**No. of journals in the cat.:** 162**Impact source:** ISI**Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE



Impact index in year of publication: 0.887
Position of publication: 36

Impact source: ISI

Impact index in year of publication: 0.887
Position of publication: 30

Journal in the top 25%: Yes
No. of journals in the cat.: 78

Category: COMPUTER SCIENCE, SOFTWARE ENGINEERING

Journal in the top 25%: Yes
No. of journals in the cat.: 76

- 138** Rodriguez,O.; Pujol,O.; Mauri,J.; Fernandez, E.; Valle, V.; Radeva,P. Automatic segmentation and characterization of IVUS images by texture analysis. European Heart Journal Supplements. 2004.

Type of production: Scientific paper

Format: Journal

Total no. authors: 6

Impact source: ISI

Category: CARDIAC & CARDIOVASCULAR SYSTEMS

Impact index in year of publication: 1.317

Journal in the top 25%: Yes

Position of publication: 39

No. of journals in the cat.: 71

- 139** Leor OR, Rotger D, Mauri J, et al. ActiveVessel workstation: three-dimensional reconstruction of coronary arteries by fusion of angiography and intravascular ultrasound. European Heart Journal Supplements. 2004.

Type of production: Scientific paper

Format: Journal

Total no. authors: 1

Impact source: ISI

Category: CARDIAC & CARDIOVASCULAR SYSTEMS

Impact index in year of publication: 1.317

Journal in the top 25%: Yes

Position of publication: 39

No. of journals in the cat.: 71

- 140** D. Gil, P. Radeva,. A Regularized curvature flow designed for a Selective Shape Restoration. IEEE Transactions on Image Processing. 13 - 11, pp. 1444 - 1458. 2004.

Type of production: Scientific paper

Format: Journal

Total no. authors: 1

Impact source: ISI

Category: ENGINEERING, ELECTRICAL & ELECTRONIC

Impact index in year of publication: 2.011

Journal in the top 25%: Yes

Position of publication: 27

No. of journals in the cat.: 209

Impact source: ISI

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 2.011

Journal in the top 25%: Yes

Position of publication: 17

No. of journals in the cat.: 78

- 141** Vitrià, J.; Radeva, P.; Aguiló, I.; Meléndez, J.; López, B. Recent Advances in Artificial Intelligence Research and Development. Frontiers in Artificial Intelligence and Applications. Amsterdam(Holland): IOS Press, 2004. ISBN 978-1-58603-466-5

Type of production: Scientific paper

Format: Book

Total no. authors: 5

- 142** P. Radeva; J. Vitrià. Corkinspect: Statistical Learning for Natural Material. Italian Beverage Technology. (Italy): 2004.

Type of production: Scientific paper

Format: Book

Total no. authors: 2



- 143** C. Cañero and P. Radeva. Vesselness Enhancement Diffusion. Pattern Recognition Letters. 24 - 11, pp. 3141 - 3151. 2003.
Type of production: Scientific paper **Format:** Journal
Total no. authors: 1
Impact source: ISI **Category:** COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 0.809 **Journal in the top 25%:** Yes
Position of publication: 41 **No. of journals in the cat.:** 77
- 144** Rodriguez, O.; Mauri, J.; Fernandez, E.; Tovar, A.; Villuendas, R.; Valle, V.; Pujol, O.; Radeva, P. Análisis de Texturas mediante la modificación de un modelo binario local para la segmentación automática de secuencias de ecografía intracoronaria. Revista Española de Cardiología. 2003.
Type of production: Scientific paper **Format:** Journal
Total no. authors: 8
Impact source: ISI **Category:** CARDIAC & CARDIOVASCULAR SYSTEMS
Impact index in year of publication: 0.959 **Journal in the top 25%:** Yes
Position of publication: 48 **No. of journals in the cat.:** 70
- 145** O. Rodriguez, J. Mauri, E. Fernández-Nofrerías, J. Lopez, A. Tovar, R. Villuendas, V. Valle, M. Rosales, P. Radeva. Modelo Físico para la Simulación de Imágenes de Ecografía Intracoronaria. Revista Española de Cardiología. 2003.
Type of production: Scientific paper **Format:** Journal
Total no. authors: 1
Impact source: ISI **Category:** CARDIAC & CARDIOVASCULAR SYSTEMS
Impact index in year of publication: 0.959 **Journal in the top 25%:** Yes
Position of publication: 48 **No. of journals in the cat.:** 70
- 146** O. Rodriguez, J. Mauri, E. Fernández-Nofrerías, J. Lopez, A. Tovar, V. Valle, D. Rotger, P. Radeva. Cuantificación Tridimensional de la Longitud de Segmentos Coronarios a partir de Secuencias de Ecografía Intracoronaria. Revista Española de Cardiología. 2003.
Type of production: Scientific paper **Format:** Journal
Total no. authors: 1
Impact source: ISI **Category:** CARDIAC & CARDIOVASCULAR SYSTEMS
Impact index in year of publication: 0.959 **Journal in the top 25%:** Yes
Position of publication: 48 **No. of journals in the cat.:** 70
- 147** Leor OR, Fernandez-Nofrerias E, Mauri J, et al. Empirical simulation model of intravascular ultrasound. European Heart Journal Supplements. 2003.
Type of production: Scientific paper **Format:** Journal
Total no. authors: 1
Impact source: ISI **Category:** CARDIAC & CARDIOVASCULAR SYSTEMS
Impact index in year of publication: 1.075 **Journal in the top 25%:** Yes
Position of publication: 44 **No. of journals in the cat.:** 70
- 148** Leor OR, Fernandez-Nofrerias E, Mauri J, et al. An empiric model for three-dimensional reconstruction of coronary vessels from X-ray angiography. European Heart Journal Supplements. 2003.
Type of production: Scientific paper **Format:** Journal
Total no. authors: 1
Impact source: ISI **Category:** CARDIAC & CARDIOVASCULAR SYSTEMS



Impact index in year of publication: 1.075
Position of publication: 44

Journal in the top 25%: Yes
No. of journals in the cat.: 70

- 149** Leor OR, Fernandez-Nofrerias E, Mauri J, et al. Coronary arteries three-dimensional quantification using intravascular ultrasound and angiography. European Heart Journal Supplements. 2003.

Type of production: Scientific paper
Total no. authors: 1

Format: Journal

Impact source: ISI
Impact index in year of publication: 1.075
Position of publication: 44

Category: CARDIAC & CARDIOVASCULAR SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 70

- 150** Rodriguez, O.; Fernandez, E.; Mauri, J.; Garcia, C.; Villuendas, R.; Valle, V.; Pujol, O.; Radeva, P. Intravascular ultrasound segmentation using local binary patterns. European Heart Journal Supplements. 2003.

Type of production: Scientific paper
Total no. authors: 8

Format: Journal

Impact source: ISI
Impact index in year of publication: 1.075
Position of publication: 44

Category: CARDIAC & CARDIOVASCULAR SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 70

- 151** X. Pardo, P. Radeva, D. Cabello. Discriminant snakes for 3D reconstruction of anatomical organs. Medical Image Analysis. 7 - 3, pp. 293 - 310. 2003.

Type of production: Scientific paper
Total no. authors: 1

Format: Journal

Impact source: ISI
Impact index in year of publication: 4.442
Position of publication: 2

Category: ENGINEERING, BIOMEDICAL
Journal in the top 25%: Yes
No. of journals in the cat.: 42

Impact source: ISI
Impact index in year of publication: 4.442
Position of publication: 1

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 77

Impact source: ISI
Impact index in year of publication: 4.442
Position of publication: 3

Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes
No. of journals in the cat.: 83

- 152** O. Rodriguez Leor, J. Mauri, E. Fernandez-Nofrerias, C. Garcia Garcia, R. Villuendas, V. Valle Tudela, D. Gil, P. Radeva. Reconstruction of a spatio-temporal model of the intima layer from intravascular ultrasound sequences. European Heart Journal. 2003.

Type of production: Scientific paper
Total no. authors: 1

Format: Journal

Impact source: ISI
Impact index in year of publication: 5.997
Position of publication: 4

Category: CARDIAC & CARDIOVASCULAR SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 70

- 153** Cañero, C.; Nofrerías, E.; Mauri, J.; Radeva, P. Modelling the acquisition geometry of a C-arm angiography system for 3D reconstruction. Lecture Notes in Computer Science. 2002.

DOI: 10.1007/3-540-36079-4_28

**Type of production:** Scientific paper**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 0.515**Position of publication:** 40**Format:** Journal**Category:** COMPUTER SCIENCE, THEORY & METHODS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 69

- 154** D Rotger, P Radeva, J Mauri, E Fernandez-Nofrerias. Internal and external coronary vessel images registration. Lecture Notes in Computer Science. 2002.

Type of production: Scientific paper**Total no. authors:** 1**Impact source:** ISI**Impact index in year of publication:** 0.515**Position of publication:** 40**Format:** Journal**Category:** COMPUTER SCIENCE, THEORY & METHODS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 69

- 155** Radeva, P.; Bressan, M.; Tobar, A.; Vitrià, J. Bayesian classification for inspection of industrial products. Lecture Notes in Computer Science. 2002.

Type of production: Scientific paper**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 0.515**Position of publication:** 40**Format:** Journal**Category:** COMPUTER SCIENCE, THEORY & METHODS**Journal in the top 25%:** Yes**No. of journals in the cat.:** 69

- 156** C. Cañero, F. Vilariño, J. Mauri and P. Radeva. Predictive (un)distortion model and 3D Reconstruction by Biplane Snakes. IEEE Transactions on Medical Imaging. 21 - 9, pp. 1188 - 1201. 2002.

Type of production: Scientific paper**Total no. authors:** 1**Impact source:** ISI**Impact index in year of publication:** 2.911**Position of publication:** 3**Format:** Journal**Category:** ENGINEERING, BIOMEDICAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 40**Impact source:** ISI**Impact index in year of publication:** 2.911**Position of publication:** 6**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Journal in the top 25%:** Yes**No. of journals in the cat.:** 203**Impact source:** ISI**Impact index in year of publication:** 2.911**Position of publication:** 1**Category:** IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 14**Impact source:** ISI**Impact index in year of publication:** 2.911**Position of publication:** 8**Category:** RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING**Journal in the top 25%:** Yes**No. of journals in the cat.:** 81**Impact source:** ISI**Impact index in year of publication:** 2.911**Category:** COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS**Journal in the top 25%:** Yes

**Position of publication:** 3**No. of journals in the cat.:** 80

- 157** D. Rotger, P. Radeva, C. Cañero, JJ Villanueva, J. Mauri, E. Nofrerías, A. Tovar, V. Valle. Advanced Visualization of 3D Data of Intravascular Ultrasound Images. Lecture Notes in Computer Science. 2001.

Type of production: Scientific paper**Format:** Journal**Total no. authors:** 1**Impact source:** ISI**Category:** COMPUTER SCIENCE, THEORY & METHODS**Impact index in year of publication:** 0.415**Journal in the top 25%:** Yes**Position of publication:** 46**No. of journals in the cat.:** 71

- 158** A. Amini, Y. Chen, M. Elayyadi, P. Radeva. Tag Surface Reconstruction and Tracking of Myocardial Beads from SPAMM-MRI with Parametric B-Spline Surfaces. IEEE Transactions on Medical Imaging. 20 - 2, pp. 94 - 103. 2001.

Type of production: Scientific paper**Format:** Journal**Total no. authors:** 1**Impact source:** ISI**Category:** ENGINEERING, BIOMEDICAL**Impact index in year of publication:** 3.142**Journal in the top 25%:** Yes**Position of publication:** 1**No. of journals in the cat.:** 39**Impact source:** ISI**Category:** ENGINEERING, ELECTRICAL & ELECTRONIC**Impact index in year of publication:** 3.142**Journal in the top 25%:** Yes**Position of publication:** 2**No. of journals in the cat.:** 200**Impact source:** ISI**Category:** IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY**Impact index in year of publication:** 3.142**Journal in the top 25%:** Yes**Position of publication:** 1**No. of journals in the cat.:** 14**Impact source:** ISI**Category:** RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING**Impact index in year of publication:** 3.142**Journal in the top 25%:** Yes**Position of publication:** 8**No. of journals in the cat.:** 81**Impact source:** ISI**Category:** COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS**Impact index in year of publication:** 3.142**Journal in the top 25%:** Yes**Position of publication:** 3**No. of journals in the cat.:** 76

- 159** Mauri J, Esplugas E, del Blanco BG, et al. 3-D stent and vessel reconstruction from IVUS: a physics-based approach. European Heart Journal Supplements. 2000.

Type of production: Scientific paper**Format:** Journal**Total no. authors:** 1

- 160** Sánchez, J.M.; Binefa, X.; Vitrià, J.; Radeva, P. Linking Visual Cues and Semantic Terms Under Specific Digital Video Domains. Journal of Visual Languages and Computing. 11 - 3, pp. 253 - 271. 2000.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 3**Total no. authors:** 4**Impact source:** ISI**Category:** COMPUTER SCIENCE, SOFTWARE ENGINEERING



Impact index in year of publication: 0.536
Position of publication: 33

Journal in the top 25%: Yes
No. of journals in the cat.: 74

- 161** Sánchez, J.M.; Binefa, X.; Vitrià, J.; Radeva, P. Local color analysis for scene break detection applied to TV commercials recognition. Visual Information and Information Systems. Lecture Notes in Computer Science. 1999.
Type of production: Scientific paper **Format:** Journal
Total no. authors: 4
Impact source: ISI **Category:** COMPUTER SCIENCE, THEORY & METHODS
Impact index in year of publication: 0.872 **Journal in the top 25%:** Yes
Position of publication: 13 **No. of journals in the cat.:** 61
- 162** P. Radeva, A. Amini and J. Huang. Deformable B-Solids and Implicit Snakes for 3D Localization and Tracking of SPAMM MRI Data. International Journal on Computer Vision and Image Understanding. 66 - 2, pp. 163 - 178. 1997.
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Total no. authors: 1
- 163** Bhalaji Nagarajan; Ricardo Marques; Marcos Mejia; Petia Radeva. Class-conditional Importance Weighting for Deep Learning with Noisy Labels. 17th VISIGRAPP 2022 - Volume 5: VISAPP. (United States of America): SciTePress, 2022.
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 164** Kaisar Kushibar; Víctor M. Campello; Lidia Garrucho; Akis Linardos; Petia Radeva; Karim Lekadir. Layer Ensembles: A Single-Pass Uncertainty Estimation in Deep Learning for Segmentation. Medical Image Computing and Computer Assisted Intervention - MICCAI 2022 - 25th International Conference, Singapore, September 18-22, 2022, Proceedings, Part VIII. Springer, 2022. Available on-line at: <https://link-springer-com.sire.ub.edu/chapter/10.1007/978-3-031-16452-1_49>. ISBN 978-3-031-16451-4
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 165** Dhruvi Shah; Hareshwar Wani; Manisha Das; Deep Gupta; Petia Radeva; Ashwini M. Bakde. STPGANsFusion: Structure and Texture Preserving Generative Adversarial Networks for Multi-modal Medical Image Fusion. National Conference on Communications (NCC). IEEE, 2022. Available on-line at: <<https://ieeexplore.ieee.org/document/9806733>>.
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 166** Vishwesh Pillai; Pranav Mehar; Manisha Das; Deep Gupta; Petia Radeva. Integrated Hierarchical and Flat Classifiers for Food Image Classification using Epistemic Uncertainty. IEEE International Conference on Signal Processing and Communications. IEEE, 2022. Available on-line at: <<https://ieeexplore.ieee.org/document/9840761>>. ISBN 10.1109/SPCOM553
Legal deposit: 10.1109/SPCOM5
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 167** A Salih, IB Galazzo, F Cruciani, L Brusini, P Radeva. Investigating Explainable Artificial Intelligence for MRI-based Classification of Dementia: a New Stability Criterion for Explainable Methods. IEEE International Conference on Image Processing (ICIP). IEEE Xplore, 2022. Available on-line at: <<https://ieeexplore.ieee.org/abstract/document/9897253>>. ISBN 978-1-6654-9620-9



Type of production: Book chapter
Total no. authors: 5

Format: Book

- 168** J Ródenas, B Nagarajan, M Bolaños, P Radeva. Learning Multi-Subset of Classes for Fine-Grained Food Recognition. Proceedings of the 7th International Workshop on Multimedia Assisted Dietary Management. ACM, 2022. Available on-line at: <<https://dl.acm.org/doi/abs/10.1145/3552484.3555754>>.

Type of production: Book chapter
Total no. authors: 4

Format: Book

- 169** Manisha Das; Deep Gupta; Petia Radeva; Ashwini M. Bakde. Swarm Optimized Hybrid Layer Decomposition and Reconstruction Model for Multi-Modal Neurological Image Fusion. Artificial Intelligence Applications for Health Care. Taylor & Francis, 2022. Available on-line at: <https://scholar.google.com/citations?view_op=view_citation&hl=ca&user=p_MCjd4AAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_for_view=p_M> ISBN 9781003241409

Type of production: Book chapter
Total no. authors: 4

Format: Book

- 170** Guillem Martinez; Maya Aghaei; Martin Dijkstra; Bhalaji Nagarajan; Femke Jaarsma; Jaap van de Loosdrecht; Petia Radeva; Klaas Dijkstra. Hyper-Spectral Imaging for Overlapping Plastic Flakes Segmentation. IEEE International Conference on Image Processing, ICIP 2022. (United States of America): IEEE Press, 2022. ISBN 978-1-6654-9621-6

Type of production: Book chapter
Total no. authors: 8

Format: Book

- 171** Nil Ballús; Bhalaji Nagarajan; Petia Radeva. An Enhanced Self-Supervised Framework for Food Recognition. Pattern Recognition and Image Analysis, Lecture Notes in Computer Science, Springer 2022. (Germany): Springer Verlag, 2022. ISBN 978-3-031-04880-7

Type of production: Book chapter
Total no. authors: 3

Format: Book

- 172** Salih, A.; Galazzo, I.B.; and Jaggi, A.; Estabragh, Z.; Petersen, S.E.; Lekadir, K.; Radeva, P.; Menegaz, G. Multi-modal Brain Age Estimation: A Comparative Study Confirms the Importance of Microstructure. Computational Diffusion MRI. (Switzerland): 2021. ISBN 9783030730178

Type of production: Book chapter
Total no. authors: 8

Format: Book

- 173** E Aguilar; B Nagarajan; R Khantun; M Bolaños; P Radeva. Uncertainty-Aware Data Augmentation for Food Recognition. 25th International Conference on Pattern Recognition (ICPR). IEEE Computer Society Press, 2021. Available on-line at: <<https://ieeexplore.ieee.org/abstract/document/9412706/authors#authors>>. ISBN 978-1-7281-8808-9

Type of production: Book chapter
Total no. authors: 5

Format: Book

- 174** Estefania Talavera; Nicolai Petkov; Petia Radeva. Egocentric vision for lifestyle understanding. Wearable Sensors (Second Edition). Academic Press, Elsevier, 2021. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/B9780128192467000152>>.

Type of production: Book chapter
Total no. authors: 3

Format: Book

- 175** Bhalaji Nagarajan; Rupali Khatun; Marc Bolaños; Eduardo Aguilar; Leonardo Angelini; Mira El Kamali; Elena Mugellini; Omar Abou Khaled; Noemi Boqué; Lucia Tarro; Petia Radeva. Nutritional monitoring in older people prevention services. Springer



International Publishing, 2021. Available on-line at: <https://scholar.google.com/citations?view_op=view_citation&hl=ca&user=p_MCjd4AAAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_for_view=p_M>

Type of production: Book chapter

Format: Book

Total no. authors: 11

- 176** Balocco, S.; Ciompi, F.; Rigla, J.; Carrillo, X.; Mauri, J.; Radeva, P. Computer-Aided Detection of Intracoronary Stent Location and Extension in Intravascular Ultrasound Sequences. Intravascular Ultrasound, From Acquisition to Advanced Quantitative Analysis. (Holland): Elsevier, 2020. ISBN 9780128188330

Type of production: Book chapter

Format: Book

Total no. authors: 6

- 177** Nanculef, R.; Radeva, P.; Balocco, S. Training Convolutional Nets to Detect Calcified Plaque in IVUS Sequences. Intravascular Ultrasound, From Acquisition to Advanced Quantitative Analysis. (Holland): Elsevier, 2020. ISBN 9780128188330

Type of production: Book chapter

Format: Book

Total no. authors: 3

- 178** Eduardo Aguilar; Bhalaji Nagarajan; Rupali Khatun; Marc Bolaños; Petia Radeva. Uncertainty Modeling and Deep Learning Applied to Food Image Analysis. Biodevices. (United States of America): 2020.

Type of production: Book chapter

Format: Book

Total no. authors: 5

- 179** Petia Radeva. Uncertainty Modeling within an End-to-end Framework for Food Image Analysis. DeLTA. (United States of America): 2020.

Type of production: Book chapter

Format: Book

Total no. authors: 1

- 180** Martin Menchon; Estefanía Talavera; Jose M. Massa; Petia Radeva. Behavioural Pattern Discovery from Collections of Egocentric Photo-Streams. ECCV Workshops. (United States of America): 2020.

Type of production: Book chapter

Format: Book

Total no. authors: 4

- 181** Alejandro Cartas; Estefanía Talavera; Petia Radeva; Mariella Dimiccoli. Understanding Event Boundaries for Egocentric Activity Recognition from Photo-Streams. ICPR Workshops. (United States of America): 2020.

Type of production: Book chapter

Format: Book

Total no. authors: 4

- 182** Bhalaji Nagarajan; Eduardo Aguilar; Petia Radeva. S2ML-TL Framework for Multi-label Food Recognition. ICPR Workshops. (United States of America): IEEE Computer Society., 2020.

Type of production: Book chapter

Format: Book

Total no. authors: 3

- 183** Mariona Caros; Maite Garolera; Petia Radeva; Xavier Giró-i-Nieto. Automatic Reminiscence Therapy for Dementia. ICMR. (United States of America): ACM, 2020. ISBN 978-1-4503-7087-5

Type of production: Book chapter

Format: Book

Total no. authors: 4

- 184** Eduardo Aguilar; Petia Radeva. Class-Conditional Data Augmentation Applied to Image Classification. Computer Analysis and Image Processing (CAIP). (Germany): Springer Verlag, 2019. ISBN 978-3-030-29890-6

Type of production: Book chapter

Format: Book

Total no. authors: 2

- 185** Estefanía Talavera; Nicolai Petkov; Petia Radeva. Unsupervised Routine Discovery in Egocentric Photo-Streams. Computer Analysis and Image Processing (CAIP). (Germany): Springer Verlag, 2019.
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 186** Md. Mostafa Kamal Sarker; Syeda Furruka Banu; Hatem A. Rashwan; Mohamed Abdel-Nasser; Vivek Kumar Singh; Sylvie Chambon; Petia Radeva; Domenec Puig. Food Places Classification in Egocentric Images Using Siamese Neural Networks. CCIA. (United States of America): IOS Press, 2019. ISBN 978-1-64368-014-9
Type of production: Book chapter **Format:** Book
Total no. authors: 8
- 187** Eduardo Aguilar; Petia Radeva. Food Recognition by Integrating Local and Flat Classifiers. IBPRIA. (Germany): Springer Verlag, 2019. ISBN 978-3-030-31331-9
Type of production: Book chapter **Format:** Book
Total no. authors: 2
- 188** Alejandro Cartas; Jordi Luque; Petia Radeva; Carlos Segura; Mariella Dimiccoli. Seeing and Hearing Egocentric Actions: How Much Can We Learn?. ICCV Workshops. (Germany): IEEE, 2019. ISBN 978-1-7281-5023-9
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 189** Emanuel Sánchez Aimar; Petia Radeva; Mariella Dimiccoli. Social Relation Recognition in Egocentric Photostreams. (United States of America): IEEE Press, 2019. ISBN 78-1-5386-6249-6
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 190** Md. Mostafa Kamal Sarker; Mohammed Jabreel; Hatem A. Rashwan; Syeda Furruka Banu; Vivek Kumar Singh; Antonio Moreno; Petia Radeva; Domenec Puig. CuisineNet: Food Attributes Classification Using Multi-Scale Convolution Network. Frontiers in Artificial Intelligence and Applications, Artificial Intelligence Research and Development, DOI:10.3233/978-1-61499-918-8-365. (United States of America): IOS Press, 2018. ISBN 978-1-61499-917-1
Type of production: Book chapter **Format:** Book
Total no. authors: 8
- 191** Stefan Schurischuster; Beatriz Remeseiro; Petia Radeva; Martin Kampel. A Preliminary Study of Image Analysis for Parasite Detection on Honey Bees. Lecture Notes in Computer Science. (United States of America): Springer Verlag, 2018. ISBN 978-3-319-92999-6
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 192** Simone Balocco; Mauricio González; Ricardo Nanculef; Petia Radeva; Gabriel Thomas. Calcified Plaque Detection in IVUS Sequences: Preliminary Results Using Convolutional Nets. Lecture Notes in Computer Science. (United States of America): Springer Verlag, 2018. ISBN 978-3-030-01131-4
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 193** Md. Mostafa Kamal Sarker; Hatem A. Rashwan; Farhan Akram; Syeda Furruka Banu; Adel Saleh; Vivek Kumar Singh; Forhad U. H. Chowdhury; Saddam Abdulwahab; Santiago Romani; Petia Radeva; Domenec Puig. SLSDep: Skin Lesion Segmentation Based on Dilated Residual and Pyramid Pooling Networks. Lecture Notes in Computer Science. (United States of America): Springer Verlag, 2018. ISBN 978-3-030-00933-5
Type of production: Book chapter **Format:** Book
Total no. authors: 11

- 194** Talavera, E.; Cola, A.; Petkov, N.; Radeva, P. Towards Egocentric Person Re-Identification and Social Pattern Analysis. Applications of Intelligent Systems. (United States of America): IOS Press, 2018. ISBN 978-1-61499-928-7
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 195** Md. Kamal Sarker, M.; A. Rashwan, H.; Talavera, E.; Furraka Banu, S.; Radeva, P.; Puig, D. MACNet: Multi-scale Atrous Convolution Networks for Food Places Classification in Egocentric Photo-Streams. European Conference on Computer Vision ECCV 2018: Computer Vision - ECCV 2018 Workshops. Berlin (Germany): Springer, 2018. ISBN 978-3-030-11020-8
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 196** Bolaños, M.; Valdivia, M.; Radeva, P. Where and What Am I Eating? Image-Based Food Menu Recognition. Computer Vision - ECCV 2018 Workshops. (Germany): Springer, 2018. ISBN 978-3-030-11023-9
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 197** Ferrà, A.; Aguilar, E.; Radeva, P. Multiple Wavelet Pooling for CNNs. Computer Vision - ECCV 2018 Workshops. (Germany): Springer, 2018. ISBN 978-3-030-11017-8
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 198** S. Seguí; M. Drozdal; G. Pascual; P. Radeva; C. Malagelada; F. Azpiroz; J. Vitrià. Deep Learning Features for Wireless Capsule Endoscopy Analysis. Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications. (Germany): Springer, 2017. ISBN 978-3-319-52276-0
Legal deposit: 10.1007/978-3-3
Type of production: Book chapter **Format:** Book
Total no. authors: 7
- 199** Md. Mostafa Kamal Sarker; Maria Leyva; Adel Saleh; Vivek Kumar Singh; Farhan Akram; Petia Radeva; Domenec Puig. FoodPlaces: Learning Deep Features for Food Related Scene Understanding. Frontiers in Artificial Intelligence and Applications. (Holland): IOS Press, 2017. ISBN 978-1-61499-805-1
Type of production: Book chapter **Format:** Book
Total no. authors: 7
- 200** Maedeh Aghaei; Federico Parezzan; Mariella Dimiccoli; Petia Radeva; Marco Cristani. 12th IEEE International Conference on Automatic Face & Gesture Recognition. IEEE Computer Society. (United States of America): IEEE Computer Society., 2017. ISBN 978-1-5090-4023-0
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 201** Marc Bolaños; Álvaro Peris; Francisco Casacuberta; Petia Radeva. VIBIKNet: Visual Bidirectional Kernelized Network for Visual Question Answering. Pattern Recognition and Image Analysis, Lecture Notes in Computer Science 10255. (Germany): Springer Verlag, 2017. ISBN 978-3-319-58837-7
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 202** Alejandro Cartas; Juan Marín; Petia Radeva; Mariella Dimiccoli. Recognizing Activities of Daily Living from Egocentric Images. Pattern Recognition and Image Analysis. (Germany): Springer Verlag, 2017. ISBN 978-3-319-58837-7
Type of production: Book chapter **Format:** Book
Total no. authors: 4



- 203** Gabriel Oliveira-Barra; Mariella Dimiccoli; Petia Radeva. Leveraging Activity Indexing for Egocentric Image Retrieval. Pattern Recognition and Image Analysis. (Germany): Springer Verlag, 2017. ISBN 978-3-319-58837-7
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 204** Estefanía Talavera; Nicola Strisciuglio; Nicolai Petkov; Petia Radeva. Sentiment Recognition in Egocentric Photostreams. Pattern Recognition and Image Analysis. (Germany): Springer Verlag, 2017. ISBN 978-3-319-58837-7
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 205** Eduardo Aguilar; Marc Bolaños; Petia Radeva. Food Recognition Using Fusion of Classifiers Based on CNNs. Image Analysis and Processing. (Germany): Springer Verlag, 2017. ISBN 978-3-319-68547-2
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 206** Simone Balocco; Francesco Ciompi; Juan Rigla; Xavier Carrillo; Josepa Mauri; Petia Radeva. Intra-coronary Stent Localization in Intravascular Ultrasound Sequences, A Preliminary Study. Intravascular Imaging and Computer Assisted Stenting, and Large-Scale Annotation of Biomedical Data and Expert Label Synthesis. (Germany): Springer Verlag, 2017. ISBN 978-3-319-67533-6
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 207** Talavera, E.; Radeva, P.; Petkov, N. Towards Egocentric Sentiment Analysis. EUROCAST. (Germany): Springer, 2017.
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 208** Cartas, A.; Dimiccoli, M.; Radeva P. Detecting Hands in Egocentric Videos: Towards Action Recognition. EUROCAST. (Germany): Springer, 2017.
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 209** Aguilar, E.; Bolaños, M.; Radeva P. Exploring Food Detection Using CNNs. EUROCAST. (Germany): Springer, 2017.
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 210** P. Radeva. Can Deep Learning and Egocentric Vision for Visual Lifelogging Help Us Eat Better?. Artificial Intelligence Research and Development. (Holland): IOS Press, 2016. ISBN 978-1-61499-695-8
Legal deposit: 10.3233/978-1-6
Type of production: Book chapter **Format:** Book
Total no. authors: 1
- 211** Gabriel Oliveira-Barra; Mariella Dimiccoli; Petia Radeva. Egocentric Image Retrieval with Convolutional Neural Networks. Artificial Intelligence Research and Development. (Holland): IOS Press, 2016. ISBN 978-1-61499-695-8
Type of production: Book chapter **Format:** Book
Total no. authors: 3

- 212** Álvaro Peris; Marc Bolaños; Petia Radeva; Francisco Casacuberta. Video Description Using Bidirectional Recurrent Neural Networks. Artificial Neural Networks and Machine Learning. (Germany): Springer Verlag, 2016. ISBN 978-3-319-44780-3
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 213** Bolaños, M.; Garolera, M.; Radeva, P. Object discovery using CNN features in egocentric videos. Pattern Recognition and Image Analysis, Lecture Notes in Computer Science. (Germany): Springer Verlag, 2015. ISBN 978-3-319-19389-2
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 214** Talavera, E.; Dimiccoli, M.; Bolaños, M.; Aghaei, M.; Radeva, P. R-clustering for egocentric video segmentation. Pattern Recognition and Image Analysis, Lecture Notes in Computer Science. (Germany): Springer Verlag, 2015. ISBN 978-3-319-19389-2
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 215** Bolaños, M.; Mestre, R.; Talavera, E.; Giró, X.; Radeva, P. Visual summary of egocentric photostreams by representative Keyframes. Multimedia and Expo Workshops. (United States of America): 2015.
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 216** Jordina Torrents-Barrena; Aïda Valls; Petia Radeva; Meritxell Arenas; Domenec Puig. Automatic Recognition of Molecular Subtypes of Breast Cancer in X-Ray images using Segmentation-based Fractal Texture Analysis. Artificial Intelligence Research and Development, Frontiers in Artificial Intelligence and Applications. (Benin): IOS Press, 2015.
Legal deposit: 10.3233/978-1-6
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 217** Bolaños, M.; Garolera, M.; Radeva, P. Video segmentation of life-logging videos. AMDO'2014. (Germany): Springer Verlag, 2014. Available on-line at: <<http://www.informatik.uni-trier.de/~ley/db/conf/amdo/amdo2014.html#BolanosGR14>>. ISBN 978-3-319-08848-8
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 218** Benkarim, O.M.; Radeva, P.; Igual, L. Label consistent multiclass discriminative dictionary learning for MRI segmentation. Lecture Notes in Computer Science. Articulated Motion and Deformable Objects (AMDO). (Germany): Springer Verlag, 2014. Available on-line at: <<http://www.informatik.uni-trier.de/~ley/db/conf/amdo/amdo2014.html#BenkarimRI14>>.
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 219** Drozdal, M.; Seguí, S.; Radeva, P.; Malagelada, C.; Azpiroz, F.; Vitrià, J. An Application for Efficient Error-Free Labeling of Medical Images. Multimodal Interaction in Image and Video Applications. (Spain): Springer, 2013. Available on-line at: <http://link.springer.com/chapter/10.1007%2F978-3-642-35932-3_1>. ISBN 978-3-642-35932-3
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 220** Seguí, S.; Drozdal, M.; Zaytseva, E.; Malagelada, C.; Azpiroz, F.; Radeva, P.; Vitrià, J. A new image centrality descriptor for wrinkle frame detection in WCE videos. Machine Vision Applications. Kyoto(Japan): IEEE Computer Society., 2013. Available on-line at: <<http://www.mva-org.jp/mva2013/>>. ISBN 978-4-901122-13-9



Type of production: Book chapter
Total no. authors: 7

Format: Book

- 221** Borjas, V.; Vitria, J.; Radeva, P. Gradient Histogram Background Modeling for People Detection in Stationary Camera Environments. Machine Vision Applications. Kyoto(Japan): IAPR, 2013. ISBN 978-4-901122-13-9

Type of production: Book chapter
Total no. authors: 3

Format: Book

- 222** Petkov, S.; Romero, A.; Carrillo Suarez, X.; Radeva, P.; Gatta, C. Robust and Accurate Diaphragm Border Detection in Cardiac X-Ray Angiographies. Lecture Notes of Computer Science, STACOM'2012. (Germany): Springer Verlag, 2013.

Type of production: Book chapter
Total no. authors: 5

Format: Book

- 223** Ciompi, F.; Hua, R.; Balocco, S.; Alberti, M.; Pujol, O.; Caus, C.; Mauri, J.; Radeva, P. Learning to detect stent struts in Intravascular Ultrasound. Lecture Notes in Computer Science (in press), IBPRIA'2013. (Portugal): Springer Verlag, 2013.

Type of production: Book chapter
Total no. authors: 8

Format: Book

- 224** Francesco Ciompi; Simone Balocco; Carles Caus; Josepa Mauri; Petia Radeva. Stent Shape Estimation through a Comprehensive Interpretation of Intravascular Ultrasound Images. Medical Image Computing and Computer-Assisted Intervention – MICCAI 2013. (Germany): Springer Verlag, 2013. Available on-line at: <<http://www.springer.com/computer/image+processing/book/978-3-642-40762-8>>. ISBN 978-3-642-40762-8

Type of production: Book chapter
Total no. authors: 5

Format: Book

- 225** Marc Bolaños; Maite Garolera; Petia Radeva. Active Labeling Application Applied to Food-Related Object Recognition. Multimedia for cooking & eating activities. (United States of America): ACM, 2013. Available on-line at: <<http://dl.acm.org/citation.cfm?id=2506032>>. ISBN 978-1-4503-2392-5

Legal deposit: 10.1145/2506023

Type of production: Book chapter
Total no. authors: 3

Format: Book

- 226** Ciompi, F.; Pujol, O.; Mauri-Ferre, J.; Radeva, P. Coronary Atherosclerotic Plaque Characterization by Intravascular Ultrasound. Ultrasound Imaging: Advances and Applications. (Portugal): Springer Science + Business Media, 2012.

Type of production: Book chapter
Total no. authors: 4

Format: Book

- 227** Igual, L.; Soliva, J.C.; Hernández-Vela, A.; Escalera, S.; Vilarroya, O.; Radeva, P. A Supervised Graph-cut Deformable Model for Brain MRI Segmentation. Deformation Models, Tracking, Animation and Applications Series: Lecture Notes in Computational Vision and Biomechanics. (Holland): Springer Netherlands, 2012. Available on-line at: <<http://www.springer.com/computer/image+processing/book/978-94-007-5445-4>>. ISBN 978-94-007-5445-4

Type of production: Book chapter
Total no. authors: 6

Format: Book

- 228** Radeva, P.; Drozdal, M.; Segui, S.; Igual, L.; Malagelada, C.; Azpiroz, F.; Vitria, J. Active labeling: Application to wireless endoscopy analysis. High Performance Computing and Simulation (HPCS). (Spain): IEEE Computer Society., 2012.

Type of production: Book chapter
Total no. authors: 7

Format: Book

- 229** Zlateva, N.; Hernández Vela, A.; Marinov, A.; Reyes, M.; Radeva, P.; Dimov, D.; Escalera, S. Graph Cuts Optimization for Multi-Limb Human Segmentation in Depth Maps. Computer Vision and Pattern Recognition. (United States of America): IEEE Computer Society Press, 2012. Available on-line at: <<http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=6235193>>. ISBN 9781467312271
Type of production: Book chapter **Format:** Book
Total no. authors: 7
- 230** Igual, L.; Soliva, J.C.; Hernández-Vela, A.; Escalera, S.; Vilarroya, O.; Radeva, P. Supervised Brain Segmentation and Classification in Diagnostic of Attention-Deficit/Hyperactivity Disorder. High Performance Computing & Simulation. Madrid (Spain): IEEE Xplore, 2012. Available on-line at: <<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6266909>>. ISBN 978-1-4673-2359-8
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 231** Igual, L.; Soliva, J.C.; Gimeno, R.; Escalera, S.; Vilarroya, O.; Radeva, P. Automatic Internal Segmentation of Caudate Nucleus for Diagnosis of Attention-Deficit/Hyperactivity Disorder. Lecture Notes of Computer Science (ICIAI'2012). Aveiro (Portugal): 2012.
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 232** Borjas, V.; Drozdal, M.; Radeva, P.; Vitrià, J. Human Relative Position Detection Based on Mutual Occlusion. CIARP 2012: Lecture Notes of Computer Science (CIARP 2012). (Mexico): 2012.
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 233** Alberti, M.; Balocco, S.; Carrillo, X.; Mauri, J.; Radeva, P. Automatic Non-rigid Temporal Alignment of IVUS Sequences. Lecture Notes of Computer Science, MICCAI'2012. (France): 2012.
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 234** Santi Seguí; Michal Drozdal; Petia Radeva; Jordi Vitrià. An Integrated Approach to Contextual Face Detection. Pattern Recognition Applications and Methods. (United Kingdom): SciTePress, 2012. Available on-line at: <<http://www.informatik.uni-trier.de/~ley/db/conf/icpram/icpram2012-2.html#SeguiDRV12>>. ISBN 978-989-8425-99-7
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 235** Ciompi, F.; Gatta, C.; Pujol, O.; Rodríguez-Leor, O.; Mauri, J.; Radeva, P. Reconstruction and analysis of intravascular ultrasound sequences. Recent Advances in Biomedical Signal Processing. (United States of America): Bentham Science Publishers, 2011. ISBN 978-1-60805-218-9
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 236** Escalera, S.; Tax, D.M.J.; Pujol, O.; Radeva, P.; Duin, R.P.W. Multi-class Classification in Image Analysis Via Error-Correcting Output Codes. Innovations in Intelligent Image Analysis, Studies in Computational Intelligence. Berlin (German Democratic Republic): Springer Verlag, 2011. ISBN 978-3-642-17933-4
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 237** Alberti, M.; Gatta, C.; Balocco, S.; Ciompi, F.; Pujol, O.; Silva, J.; Carrillo, X.; Radeva, P. Automatic Branching Detection in IVUS Sequences. Pattern Recognition and Image Analysis, Lecture notes in computer science, IbPRIA 2011. (German Democratic Republic): Springer Verlag, 2011. ISBN 978-3-642-21256-7
Type of production: Book chapter **Format:** Book



Total no. authors: 8

- 238** Drozdal, M.; Seguí, S.; Malagelada, C.; Azpiroz, F.; Vitrià, J.; Radeva, P. Interactive Labeling of WCE Images. Pattern Recognition and Image Analysis. (German Democratic Republic): Springer Verlag, 2011. ISBN 978-3-642-21256-7
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 239** Pierluigi Casale; Oriol Pujol; Petia Radeva. Approximate Convex Hulls Family for One-Class Classification. Multiple Classifier Systems. (German Democratic Republic): Springer Verlag, 2011. ISBN 978-3-642-21556-8
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 240** Gatta, C.; Balocco, S.; Martin-Yuste, V.; Leta, R.; Radeva, P. Non-rigid Multi-modal Registration of Coronary Arteries Using SIFTflow. Pattern Recognition and Image Analysis. (German Democratic Republic): Springer Verlag, 2011. ISBN 978-3-642-21256-7
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 241** Balocco, S.; Gatta, C.; Ciompi, F.; Pujol, O.; Carrillo, X.; Mauri, J.; Radeva, P. Combining Growcut and Temporal Correlation for IVUS Lumen Segmentation. Pattern Recognition and Image Analysis. (German Democratic Republic): Springer Verlag, 2011.
Type of production: Book chapter **Format:** Book
Total no. authors: 7
- 242** Pierluigi Casale; Oriol Pujol; Petia Radeva. Human Activity Recognition from Accelerometer Data Using a Wearable Device. Pattern Recognition and Image Analysis. (German Democratic Republic): Springer Verlag, 2011. ISBN 978-3-642-21256-7
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 243** Miguel Reyes; José Ramírez-Moreno; Juan R. Revilla; Petia Radeva; Sergio Escalera. ADiBAS: Sistema Multisensor de Adquisición Automática de Datos Corporales Objetivos, Robustos y Fiables para el Análisis de la Postura y el Movimiento. (Spain): 2011. ISBN 978-84-8384-186-X
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 244** Ciompi, F.; Pujol, O.; Gatta, C.; Carrillo, X.; Mauri, J.; Radeva, P. A holistic approach of the detection of media-adventitia border in IVUS. MICCAI 2011, Toronto, LNCS, Volume /2011, 401-408. Lecture Notes of Computer Science (MICCAI'2011). (Canada): Springer Verlag, 2011.
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 245** Bautista, M.A.; Escalera, S.; Baró, X.; Pujol, O.; Vitrià, J.; Radeva, P. On the Design of Low Redundancy Error-Correcting Output Codes. Ensembles in Machine Learning Applications, Studies in Computational Intelligence. (Spain): 2011. ISBN 978-3-642-22
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 246** Escalera, S.; Pujol, O.; Laciari, E.; Vitrià, J.; Pueyo, E.; Radeva, P. Classification of Coronary Damage in Chronic Chagasic Patients. Intelligent Systems: From Theory to Practice. (Holland): Springer Verlag, 2010. ISBN 978-3-642-13427-2
Type of production: Book chapter **Format:** Book



Total no. authors: 6

- 247** Bautista, M.A.; Escalera, S.; Baro, X.; Pujol, O.; Radeva, P.; Vitria, J. Compact Design of ECOC for Multi-class Object Categorization. Achievements and New Opportunities in Computer Vision. (Spain): Ediciones Gráficas Rey S.L., 2010. ISBN 978-84-938351-0-1
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 248** M. Reyes; S. Escalera; Petia Radeva. Real-time head pose classification in uncontrolled environments with Spatio-Temporal Active Appearance Models. CVCRD'10, Achievements and New Opportunities in Computer Vision. (Spain): 2010. ISBN 978-84-938351-0-1
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 249** A. Hernández; P. Radeva; S. Escalera. Combining Detectors for Human Hand Detection. CVCRD'10, Achievements and New Opportunities in Computer Vision. (Spain): 2010. ISBN 978-84-938351-0-1
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 250** V. Ponce; S. Escalera; X. Baró; P. Radeva. Automatic Analysis of Non-verbal Communication. CVCRD'10, Achievements and New Opportunities in Computer Vision. (Spain): 2010. ISBN 978-84-938351-0-1
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 251** Mirza-Mohammadi, M.; Escalera, S.; Radeva, P. Contextual-Guided Bag-of-Visual-Words Model for Multi-class Object Categorization. Lecture Notes in Computer Science, CAIP 2009. (Germany): Springer Verlag, 2009. ISBN 978-3-642-03766-5
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 252** Escalera, S.; Fornés, A.; Pujol, O.; Radeva, P. Multi-class Binary Symbol Classification with Circular Blurred Shape Models. Lecture notes in Computer Science, ICIAP'2009. (German Democratic Republic): 2009.
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 253** Ciompi, F.; Pujol, O.; Rodríguez-Leor, O.; Gatta, C.; Serrano Vida, A.; Radeva, P. Enhancing In-Vitro IVUS Data for Tissue Characterization. Lecture notes in Computer Science, IbPRIA 2009. Heidelberg (German Democratic Republic): Springer Verlag, 2009.
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 254** Gatta, C.; Gómez Valencia, J.D.; Ciompi, F.; Rodríguez-Leor, O.; Radeva, P. Toward Robust Myocardial Blush Grade Estimation in Contrast Angiography. Lecture notes in Computer Science, IbPRIA 2009. Heidelberg (German Democratic Republic): Springer Verlag, 2009.
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 255** Pierluigi Casale; Oriol Pujol; Petia Radeva. Face-to-Face Social Activity Detection Using Data Collected with a Wearable Device. Lecture Notes in Computer Science, IbPRIA 2009. Heidelberg (German Democratic Republic): Springer Verlag, 2009.
Type of production: Book chapter **Format:** Book
Total no. authors: 3



- 256** Escalera, S.; Pujol, O.; Radeva, P. Recoding Error-Correcting Output Codes. Lecture Notes in COmputer Science, MCS 2009. Heidelberg (German Democratic Republic): 2009.
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 257** Ciompi, F.; Pujol, O.; Fernández-Nofrerías, E.; Mauri, J.; Radeva, P. ECOC Random Fields for Lumen Segmentation in Radial Artery IVUS Sequences. Lecture Notes in Computer Science, MICCAI (1) 2009. Heidelberg (German Democratic Republic): 2009.
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 258** Escalera, S.; Pujol, O.; Radeva, P.; Vitrià, J. Measuring Interest of Human Dyadic Interactions. Frontiers in Artificial Intelligence and Applications, Artificial Intelligence Research and Development. (Holland): IOS Press, 2009.
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 259** Ciompi, F.; Pujol, O.; Rodríguez-Leor, O.; Serrano Vida, A.; Mauri, J.; Radeva, P. On in-vitro and in-vivo IVUS data fusion. CCIA 2009. Frontiers in Artificial Intelligence and Applications, Artificial Intelligence Research and Development. (Holland): IOS Press, 2009.
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 260** Gatta, C.; Pujol, O.; Rodríguez Leor, O.; Mauri, J.; Radeva, P. Robust image-based IVUS pullbacks gating. Lecture Notes in Computer Science. New York (United States of America): Springer Verlag, 2008.
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 261** Seguí, S.; Igual, L.; Vilariño, F.; Radeva, P.; Malagelada, C.; Azpiroz, F.; Vitrià, J. Diagnostic System for Intestinal Motility Disfunctions Using Video Capsule Endoscopy. Lecture Notes in Computer Science, Springer-Verlag, ICVS 2008. (German Democratic Republic): Springer Verlag, 2008.
Type of production: Book chapter **Format:** Book
Total no. authors: 7
- 262** Escalera, S.; Pujol, O.; Radeva, P. Sub-class Error-Correcting Output Codes. Lecture Notes in Computer Science, ICVS 2008. Heidelberg (German Democratic Republic): Springer Verlag, 2008.
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 263** Seguí, S.; Igual, L.; Vilariño, F.; Radeva, P.; Malagelada, C.; Azpiroz, F.; Vitrià, J. Diagnostic System for Intestinal Motility Dysfunctions Using Video Capsule Endoscopy. Lecture Notes of Computer Science (ICVS'2008). Santorini (Greece): Springer Verlag, 2008.
Type of production: Book chapter **Format:** Book
Total no. authors: 7
- 264** Escalera, S.; Baró, X.; Vitrià, J.; Radeva, P. Text Detection in Urban Scenes. Artificial Intelligence Research and Development. (Holland): IOS Press, 2007. ISBN 978-1-60750-061
Type of production: Book chapter **Format:** Book
Total no. authors: 1

- 265** Baró, X.; Escalera, S.; Radeva, P.; Vitrià, J. Generic Object Recognition in Urban Image Databases. Artificial Intelligence Research and Development. Frontiers in Artificial Intelligence and Applications. (United States of America): IOS Press, 2007. ISBN 978-1-60750-061-2
Type of production: Book chapter **Format:** Book
Total no. authors: 1
- 266** D. Rotger; P. Radeva; E. Fernández-Nofrerías; J. Mauri. Blood Detection in IVUS Images for 3D Volume of Lumen Changes Measurement Due to Different Drugs Administration. Lecture Notes in Computer Science, CAIP 2007. (German Democratic Republic): 2007.
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 267** Igual, L.; Seguí, S.; Vitrià, J.; Azpiroz, F.; Radeva, P. Eigenmotion-Based Detection of Intestinal Contractions. Lecture Notes in Computer Science, CAIP'2007. (German Democratic Republic): 2007.
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 268** D. Gil; O. Rodríguez-Leor; P. Radeva; A. Hernandez. Assessing Artery Motion Compensation in IVUS. Lecture Notes in Computer Science, CAIP 2007. (German Democratic Republic): 2007.
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 269** Escalera, S.; Fornés, A.; Pujol, O.; Lladós, J.; Radeva, P. Multi-class Binary Object Categorization Using Blurred Shape Models. Lecture Notes in Computer Science, CIARP 2007. (German Democratic Republic): 2007.
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 270** Santi Seguí; Laura Igual; Petia Radeva; Carolina Malagelada; Fernando Azpiroz; Jordi Vitrià. A Semi-supervised Learning Method for Motility Disease Diagnostic. Lecture notes in Computer Science, CIARP 2007. (German Democratic Republic): 2007.
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 271** S. Escalera; O. Pujol; P. Radeva. Robust Complex Salient Regions. Lecture Notes in Computer Science, IbPRIA (2) 2007. (German Democratic Republic): 2007.
Type of production: Book chapter **Format:** Book
Total no. authors: 3
- 272** A. Fornés; S. Escalera; J. Lladós; G. Sánchez; P. Radeva; O. Pujol. Handwritten Symbol Recognition by a Boosted Blurred Shape Model with Error Correction. Lecture Notes in Computer Science, IbPRIA (1) 2007. (German Democratic Republic): 2007.
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 273** P. Spyridonos; F. Vilariño; J. Vitrià; F. Azpiroz; P. Radeva. Anisotropic feature extraction from endoluminal images for detection of intestinal contractions. LNCS. (German Democratic Republic): Springer Verlag, 2007.
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 274** O. Pujol; P. Radeva. Alternate spaces for model deformation. Application of STOP and GO Active Models to medical images. Parametric and Geometric Deformable Models: An application in Biomaterials and Medical Imagery. Berlin (German Democratic Republic): Springer Verlag, 2007. ISBN 0-387-31204-8



Type of production: Book chapter
Total no. authors: 2

Format: Book

- 275** E. Brunenberg; O. Pujol; B. ter Haar Romeny; P. Radeva. Automatic IVUS Segmentation of Atherosclerotic Plaque with Stop & Go Snake. LNCS. (German Democratic Republic): 2006.

Type of production: Book chapter
Total no. authors: 4

Format: Book

- 276** K. Caballero; J. Barajas; O. Pujol; N. Savatella; P. Radeva. In-vivo IVUS Tissue Classification: a comparison between RF Signal Analysis and Reconstructed Images. LNCS, CIARP 2006. (German Democratic Republic): Springer Verlag, 2006.

Type of production: Book chapter
Total no. authors: 5

Format: Book

- 277** F. Vilariño; P. Spyridonos; J. Vitrià; F. Azpiroz; P. Radeva. A Machine Learning framework using SOMs: Applications in the Intestinal Motility Assessment. LNCS, CIARP 2006. (German Democratic Republic): Springer Verlag, 2006.

Type of production: Book chapter
Total no. authors: 5

Format: Book

- 278** F. Vilariño; P. Spyridonos; J. Vitrià; F. Azpiroz; P. Radeva. Linear Radial Patterns Characterization for Automatic Detection of Tonic Intestinal Contractions. LNCS, CIARP 2006. (German Democratic Republic): Springer Verlag, 2006.

Type of production: Book chapter
Total no. authors: 5

Format: Book

- 279** Escalera, S.; Pujol, O.; Radeva, P. Decoding of Ternary Error Correcting Output Codes. LNCS, CIARP 2006. (German Democratic Republic): 2006.

Type of production: Book chapter
Total no. authors: 3

Format: Book

- 280** Escalera, S.; Pujol, O.; Radeva, P. Optimal Extension of Error Correcting Output Codes. CCIA06. (Holland): IOS Press, 2006. ISBN 1-58603-663-7

Type of production: Book chapter
Total no. authors: 3

Format: Book

- 281** O. Pujol; P. Radeva; J. Vitrià. Error correcting codes embedding of mutual information trees. Pattern Recognition : Progress, Directions and Applications. (Spain): Ediciones Gráficas Rey S.L., 2006. ISBN 84-933652-6-2

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Format: Book

- 282** D. Gil; A. Hernandez; A. Carol; O. Rodríguez; P. Radeva. A Deterministic-Statistic Adventitia Detection in IVUS Images. LNCS, FIMH'2005. (German Democratic Republic): Springer Verlag, 2005.

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Format: Book

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Type of production: Book chapter
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Format: Book



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Total no. authors: 4
- 285** F. Vilariño; P. Spyridonos; J. Vitrià; P. Radeva. Experiments with SVM and Stratified Sampling with an Imbalanced Problem: Detection of Intestinal Contractions. LECTURE NOTES IN COMPUTER SCIENCE, ICAPR 2005. (German Democratic Republic): 2005.
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Total no. authors: 2
- 287** J. Amores; N. Sebe; P. Radeva. Efficient object-class recognition by boosting contextual information. LECTURE NOTES IN COMPUTER SCIENCE, IbPRIA'2005. (German Democratic Republic): 2005.
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Total no. authors: 3
- 288** O. Pujol and P. Radeva. Texture Segmentation by Statistic Deformable Models. International Journal of Image and Graphics. (Hong Kong): 2004.
Type of production: Book chapter **Format:** Book
Total no. authors: 2
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Total no. authors: 4
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Total no. authors: 2
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Total no. authors: 3



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Total no. authors: 4
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Total no. authors: 2
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Total no. authors: 4
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Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 298** P. Radeva. On the Role of Intravascular Ultrasound Image Analysis. Angiography and Plaque Imaging: Advanced Segmentation Techniques. Boca Raton, FL(United States of America): CRC Press, Inc., 2003. ISBN 0849317401
Type of production: Book chapter **Format:** Book
Total no. authors: 1
- 299** J. Suri, S. Singh, S. Laxminarayan, R. Cesar, H. Jelinek, P. Radeva, B. Roysam, Ch. Stewart, K. Frizche, J. Williams, H. Tek. A Note on Future Research in Vascular and Plaque Segmentation. Angiography and Plaque Imaging: Advanced Segmentation Techniques. Boca Raton, FL(United States of America): CRC Press, Inc., 2003. ISBN 0849317401
Type of production: Book chapter **Format:** Book
Total no. authors: 11
- 300** M. Rosales, P. Radeva. A Basic Model for IVUS Generation. Hand Book of Medical Image Analysis: Advanced Segmentation and Registration Models. (United States of America): Marcel Dekker, 2003. ISBN 0849317401
Type of production: Book chapter **Format:** Book
Total no. authors: 2
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Type of production: Book chapter **Format:** Book
Total no. authors: 2
- 302** M. Dimitrova, Ch. Roumenin, P. Radeva, D. Rotger, H. Villanueva. Multimodal intelligent System for Cardiovascular Diagnosis. Automation and Informatics. (Bulgaria): 2003.
Type of production: Book chapter **Format:** Book
Total no. authors: 5



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Type of production: Book chapter **Format:** Book
Total no. authors: 2
- 304** C. Cañero, E. Nofrerías, J. Mauri and P. Radeva. Modelling the acquisition geometry of a C-arm angiography system for 3D reconstruction. Lecture Notes in Artificial Intelligence. (German Democratic Republic): Lecture Notes in Artificial Intelligence, 2002.
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Total no. authors: 4
- 305** Ponsa, D.; Solé, A.; López, A.; Cañero, C.; Radeva, P.; Vitrià, J. Regularized EM. Pattern Recognition and Applications. (Holland): IOS Press, 2000.
Type of production: Book chapter **Format:** Book
Total no. authors: 6
- 306** A. Solé, A. López, J. Saludes, P. Radeva, C. Cañero, Crease. Crease Enhancement Diffusion. Pattern Recognition and Applications. (Holland): IOS Press, 2000.
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 307** M. Torre and P. Radeva. Extracció de parcel·les d'imatges aèries utilitzant Competició entre Regions. Full Informatiu, Institut Cartogràfic de Catalunya. (Spain): 2000.
Type of production: Book chapter **Format:** Book
Total no. authors: 2
- 308** P. Radeva, A. Solé, A. Lopez and J. Serrat. Detecting Nets of Linear Structures in Satellite Images. Machine Vision and Advanced Image Processing in Remote Sensing. (United States of America): EDF Science. Springer-Verlag, 1999.
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Total no. authors: 4
- 309** Pujol, O.; Radeva, P. On the assessment of texture feature descriptors in intravascular ultrasound images: A boosting approach to a feasible plaque classification. Plaque Imaging Book. (United States of America): 1999.
Type of production: Book chapter **Format:** Book
Total no. authors: 2
- 310** J. Amores, P. Radeva. Medical Image Retrieval Based on Plaque Appearance. Plaque Imaging Book. (United States of America): 1999.
Type of production: Book chapter **Format:** Book
Total no. authors: 2
- 311** J.M. Sánchez, X. Binefa, J. Vitrià and P. Radeva. Local Color Analysis for Scene Break Detection Applied to TV Commercials Recognition. LECTURE NOTES IN COMPUTER SCIENCE, VISUAL'99. (German Democratic Republic): Springer Verlag, 1999. ISBN 3-540-66079-8
Type of production: Book chapter **Format:** Book
Total no. authors: 4
- 312** Amir A. Amini, Petia Radeva, and Debiao Li. Measurement of 3D Motion of Myocardial Material Points from Explicit B-Surface Reconstruction of Tagged Data. Lecture Notes in Computer Science, Volume 1496, MICCAI'98. (German Democratic Republic): Springer Verlag, 1998.
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Total no. authors: 3

- 313** V. Valev, B. Sankur and P. Radeva. Generalized Non--Reducible Descriptors. Technical Report. (United States of America): 1997.

Type of production: Book chapter

Format: Book

Total no. authors: 3

- 314** V. Valev, P. Radeva. On the Determining of Non-Reducible Descriptors for Multidimensional Pattern Recognition Problems. Pattern Recognition and Image Analysis. (United States of America): 1993.

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Total no. authors: 2

- 315** P. Radeva. A Rule-Based Approach to Hand X-Ray Image Segmentation. Computer Analysis of Images and Patterns. (Germany): EDF Science. Springer-Verlag, 1993.

Type of production: Book chapter

Format: Book

Total no. authors: 1

- 316** V. Valev, P. Radeva. Determining Structural Description by Boolean Formulas. Advances in Structural and Syntactic Pattern Recognition. (United States of America): 1992.

Type of production: Book chapter

Format: Book

Total no. authors: 2

- 317** A. Augusto de Sousa; Vlastimil Havran; Alexis Paljic; Tabitha C. Peck; Christophe Hurter; Helen C. Purchase; Giovanni Maria Farinella; Petia Radeva; Kadi Bouatouch. Computer Vision, Imaging and Computer Graphics Theory and Applications - 16th International Joint Conference, VISIGRAPP 2021, Virtual Event, February 8-10, 2021, Revised Selected Papers. Communications in Computer and Information Science 1691, Springer 2023. ISBN 978-3-031-25476-5

Type of production: Scientific book or monograph

Total no. authors: 9

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Type of production: Scientific book or monograph

Total no. authors: 3

- 319** Giovanni Maria Farinella; Petia Radeva; José Braz; Kadi Bouatouch. Proceedings of the 16th International Joint Conferenceon Computer Vision, Imaging and Computer GraphicsTheory and Applications, VISIGRAPP 2021, Online Streaming, February 8-10, 2021.SCITEPRESS 2021, ISBN 978-989-758-488-6. (United States of America): SciTePress, 2021. ISBN 978-989-758-488-6

Type of production: Scientific book or monograph

Total no. authors: 4

- 320** Giovanni Maria Farinella; Petia Radeva; José Braz; KadiBouatouch. Proceedings of the 16th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, VISIGRAPP 2021. (United States of America): SciTePress, 2021. ISBN 978-989-758-488-6

Type of production: Scientific book or monograph

Total no. authors: 4

- 321** Giovanni Maria Farinella; Petia Radeva; José Braz. Proceedings of the 15th International Joint Conference on Computer Vision, Imaging andComputer Graphics Theory and Applications, VISIGRAPP. (United States of America): SciTePress, 2020.

Type of production: Scientific book or monograph



Total no. authors: 3

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Type of production: Scientific book or monograph

Total no. authors: 2

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Type of production: Scientific book or monograph

Total no. authors: 5

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Type of production: Scientific book or monograph

Total no. authors: 3

- 327** Borràs, J.M. Avaluació del procediment terapèutic i els seus resultats en oncologia digestiva. (Spain): 2003.

Type of production: Scientific book or monograph

Total no. authors: 1

- 328** Kaisar Kushibar; Víctor Manuel Campello; Lidia Garrucho Moras; Akis Linardos; Petia Radeva; Karim Lekadir. Layer Ensembles: A Single-Pass Uncertainty Estimation in Deep Learning for Segmentation. arxiv, 2022. Available on-line at: <<https://arxiv.org/abs/2203.08878>>. ISBN CoRR abs/2203.088

Type of production: Scientific-technical report

Total no. authors: 6

- 329** Guillem Martinez; Maya Aghaei; Martin Dijkstra; Bhalaji Nagarajan; Femke Jaarsma; Jaap van de Loosdrecht; Petia Radeva; Klaas Dijkstra. Hyper-Spectral Imaging for Overlapping Plastic Flakes Segmentation. 2022. Available on-line at: <<https://arxiv.org/abs/2203.12350>>.

Type of production: Scientific-technical report

Total no. authors: 8

- 330** Estefanía Talavera; Alexandre Cola; Nicolai Petkov; Petia Radeva. Towards Egocentric Person Re-identification and Social Pattern Analysis. (United States of America): 2019.

Type of production: Scientific-technical report

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- 331** Estefanía Talavera,; Nicolai Petkov; Petia Radeva. Unsupervised routine discovery in egocentric photo-streams. (United States of America): 2019.
Type of production: Scientific-technical report
Total no. authors: 3
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Type of production: Scientific-technical report
Total no. authors: 3
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Type of production: Scientific-technical report
Total no. authors: 6
- 334** Estefanía Talavera; Petia Radeva; Nicolai Petkov. Towards Emotion Retrieval in Egocentric PhotoStream. (United States of America): 2019.
Type of production: Scientific-technical report
Total no. authors: 3
- 335** Mariona Caros; Maite Garolera; Petia Radeva; Xavier Giró i Nieto. Automatic Reminiscence Therapy for Dementia. (United States of America): 2019.
Type of production: Scientific-technical report
Total no. authors: 4
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Type of production: Scientific-technical report
Total no. authors: 5
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Type of production: Scientific-technical report
Total no. authors: 11
- 338** Lonn, S.; Radeva, S.; Dimiccoli, M.A picture is worth a thousand words but how to organize thousands of pictures?. (United States of America): arxiv, 2018.
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Type of production: Scientific-technical report
Total no. authors: 4
- 340** Md. Kamal Sarker, M.; A. Rashwan, H.; Talavera, E.; Furruka Banu, S.; Radeva, P.; Puig, D.MACNet: Multi-scale Atrous Convolution Networks for Food Places Classification in Egocentric Photostreams. (United States of America): arxiv, 2018. ISBN CoRR abs/1808.098
Type of production: Scientific-technical report

Total no. authors: 6

341 Bolaños, M.; Radeva, P. Ego-object discovery. (United States of America): ACM, 2015.

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Total no. authors: 2

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Type of production: Scientific-technical report

Total no. authors: 3

343 J. Barajas; K. Caballero; P. Radeva. Cardiac Phase Extraction in IVUS Sequences Using 1-D Gabor Filters. (France): 2007.

Type of production: Scientific-technical report

Total no. authors: 3

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Type of production: Scientific-technical report

Total no. authors: 3

345 A. Frangi, P. Radeva, A. Santos,. Functional imaging and modelling of the heart. Medical Image Analysis. 10 - 4, pp. 612 - 614. 2006.

Type of production: Others

Format: Journal

Position of signature: 2

Total no. authors: 1

Impact source: ISI

Category: ENGINEERING, BIOMEDICAL

Impact index in year of publication: 3.256

Journal in the top 25%: Yes

Position of publication: 4

No. of journals in the cat.: 42

Impact source: ISI

Category: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING

Impact index in year of publication: 3.256

Journal in the top 25%: Yes

Position of publication: 16

No. of journals in the cat.: 85

Impact source: ISI

Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 3.256

Journal in the top 25%: Yes

Position of publication: 4

No. of journals in the cat.: 85

Impact source: ISI

Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

Impact index in year of publication: 3.256

Journal in the top 25%: Yes

Position of publication: 6

No. of journals in the cat.: 87

346 Ballus, Nil; Nagarajan, Bhalaji; Radeva, Petia. Opt-SSL: An Enhanced Self-Supervised Framework for Food Recognition. Lecture Notes in Computer Science. 01/01/2022.

DOI: 10.1007/978-3-031-04881-4_52

Type of production: Proceeding

Format: Journal

Total no. authors: 3

Impact source: SCOPUS

Category: Computer Science (all)

Impact index in year of publication: 0.407

Journal in the top 25%: Yes

**Position of publication:** 114**No. of journals in the cat.:** 231**Impact source:** SCOPUS**Category:** Theoretical Computer Science**Impact index in year of publication:** 0.407**Journal in the top 25%:** Yes**Position of publication:** 78**No. of journals in the cat.:** 123

- 347** Kadi Bouatouch; A. Augusto de Sousa; Manuela Chessa; Alexis Paljic; Andreas Kerren; Christophe Hurter; Giovanni Maria Farinella; Petia Radeva; José Braz. Computer Vision, Imaging and Computer Graphics Theory and Applications - 15th International Joint Conference. Communications in Computer and Information Science (CCIS). Springer, 2022. Available on-line at: <<https://link.springer.com/book/10.1007/978-3-030-94893-1>>. ISBN 978-3-030-94892-4

Type of production: Editor**Format:** Book**Total no. authors:** 9

- 348** Giovanni Maria Farinella; Petia Radeva; Kadi Bouatouch. Proceedings of the 17th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, VISIGRAPP 2022. Proceedings of the 17th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, VISIGRAPP 2022. 2022.

Type of production: Editor**Format:** Book**Total no. authors:** 3

- 349** Bolanos, Marc; Valdivia, Marc; Radeva, Petia. Where and What Am I Eating? Image-Based Food Menu Recognition. Lecture Notes in Computer Science. 01/01/2019.

DOI: 10.1007/978-3-030-11024-6_45**Type of production:** Proceeding**Format:** Journal**Total no. authors:** 3**Impact source:** SCOPUS**Category:** Computer Science (all)**Impact index in year of publication:** 0.427**Journal in the top 25%:** Yes**Position of publication:** 95**No. of journals in the cat.:** 221**Impact source:** SCOPUS**Category:** Theoretical Computer Science**Impact index in year of publication:** 0.427**Journal in the top 25%:** Yes**Position of publication:** 77**No. of journals in the cat.:** 119

- 350** Kamal Sarker, Md Mostafa; Rashwan, Hatem A.; Talavera, Estefania; Furraka Banu, Syeda; Radeva, Petia; Puig, Domenec. MACNet: Multi-scale Atrous Convolution Networks for Food Places Classification in Egocentric Photo-Streams. Lecture Notes in Computer Science. 01/01/2019.

DOI: 10.1007/978-3-030-11021-5_26**Type of production:** Proceeding**Format:** Journal**Total no. authors:** 6**Impact source:** SCOPUS**Category:** Computer Science (all)**Impact index in year of publication:** 0.427**Journal in the top 25%:** Yes**Position of publication:** 95**No. of journals in the cat.:** 221**Impact source:** SCOPUS**Category:** Theoretical Computer Science**Impact index in year of publication:** 0.427**Journal in the top 25%:** Yes**Position of publication:** 77**No. of journals in the cat.:** 119

- 351** Aguilar, Eduardo; Radeva, Petia. Class-Conditional Data Augmentation Applied to Image Classification. Lecture Notes in Computer Science. 01/01/2019.

DOI: 10.1007/978-3-030-29891-3_17

Type of production: Proceeding**Total no. authors:** 2**Impact source:** SCOPUS**Impact index in year of publication:** 0.427**Position of publication:** 95**Impact source:** SCOPUS**Impact index in year of publication:** 0.427**Position of publication:** 77**Format:** Journal**Category:** Computer Science (all)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 221**Category:** Theoretical Computer Science**Journal in the top 25%:** Yes**No. of journals in the cat.:** 119

352 Ferrà, Aina; Aguilar, Eduardo; Radeva, Petia. Multiple Wavelet Pooling for CNNs. Lecture Notes in Computer Science. 01/01/2019.

DOI: 10.1007/978-3-030-11018-5_55**Type of production:** Proceeding**Total no. authors:** 3**Impact source:** SCOPUS**Impact index in year of publication:** 0.427**Position of publication:** 95**Impact source:** SCOPUS**Impact index in year of publication:** 0.427**Position of publication:** 77**Format:** Journal**Category:** Computer Science (all)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 221**Category:** Theoretical Computer Science**Journal in the top 25%:** Yes**No. of journals in the cat.:** 119

353 Cathal Gurrin; Xavier Giró i Nieto; Petia Radeva; Mariella Dimiccoli; Duc-Tien Dang-Nguyen; Hideo Joho. LTA 2017 : The Second Workshop on Lifelogging Tools and Applications. ACM Multimedia. (United States of America): ACM, 2017. ISBN 978-1-4503-4906-2

Legal deposit: 10.1145/3123266**Type of production:** Proceedings**Total no. authors:** 6**Format:** Book

354 Aghaei, M.; Parezzan, F.; Dimiccoli, M.; Radeva, P.; Cristani M. Clothing and People - A Social Signal Processing Perspective. Face and gestures. (United States of America): IEEE Computer Society Press, 2017.

Type of production: Proceedings**Total no. authors:** 5**Format:** Book

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Type of production: Proceedings**Total no. authors:** 3**Format:** Book

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Total no. authors: 3
Impact source: SCOPUS **Category:** Computer Science Applications
Impact index in year of publication: 0.24 **Journal in the top 25%:** Yes
Position of publication: 371 **No. of journals in the cat.:** 511
Impact source: SCOPUS **Category:** Electrical and Electronic Engineering
Impact index in year of publication: 0.24 **Journal in the top 25%:** Yes
Position of publication: 418 **No. of journals in the cat.:** 660
Impact source: SCOPUS **Category:** Electronic, Optical and Magnetic Materials
Impact index in year of publication: 0.24 **Journal in the top 25%:** Yes
Position of publication: 160 **No. of journals in the cat.:** 213
Impact source: SCOPUS **Category:** Applied Mathematics
Impact index in year of publication: 0.24 **Journal in the top 25%:** Yes
Position of publication: 311 **No. of journals in the cat.:** 407
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Impact index in year of publication: 0.228 **Journal in the top 25%:** Yes
Position of publication: 128 **No. of journals in the cat.:** 151
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- 1** **Title of the work:** Self-supervised Fine-grained Food Recognition
Name of the conference: International Conference on Pattern Recognition Applications and Methods (ICPRAM) - <https://icpram.scitevents.org/>, Lisbon, Portugal from 16 to 18 of February 2023.
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Portugal
Date of event: 2023
End date: 2023
Petia Radeva.
- 2** **Title of the work:** ¿Por qué me fascina la inteligencia artificial?
Name of the conference: 100tífiques, FRC, Catalunya, Spain, Escola Blancafort
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - invited/keynote talk
City of event: Spain
Date of event: 2023
End date: 2023
Petia Radeva.
- 3** **Title of the work:** Advanced Computer Vision: Application to Food Image Analysis
Name of the conference: Official GIAN course sponsored by the Indian Ministry of Science and Indian Institute of Technology and hold at VNIT, Nagpur, India, 2-6 of January, 2023. 50 attendants from different places of India.
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: India
Date of event: 2023
End date: 2023
Petia Radeva; Deep Gupta.
- 4** **Title of the work:** -
Name of the conference: VISAPP'2023, <https://visapp.scitevents.org>
Type of event: Conference **Geographical area:** International

Type of participation: Organizing committee

City of event: Portugal

Date of event: 2023

End date: 2023

Type of entity: Not defined

Petia Radeva., Giovanni Farinella.

5 Title of the work: Human and Computer Interaction Session (Chair of session)

Name of the conference: VISAPP'2023

Type of event: Conference

Geographical area: International

Type of participation: Participatory - others

City of event: Portugal

Date of event: 2023

End date: 2023

Petia Radeva.

6 Title of the work: Efficient Deep Learning Ensemble for Skin Lesion Classification

Name of the conference: VISAPP'2023

Type of event: Conference

Geographical area: International

Type of participation: Participatory - oral communication

City of event: Portugal

Date of event: 2023

End date: 2023

David Gaviria; Md Mostafa Saker; Petia Radeva.

7 Title of the work: -

Name of the conference: ICCV'2023

Type of event: Conference

Geographical area: International

Type of participation: Organizing committee

City of event: France

Date of event: 2023

End date: 2023

Petia Radeva.

8 Title of the work: Class-conditional Importance Weighting for Deep Learning with Noisy Labels

Name of the conference: 17th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISIGRAPP 2022)

Type of event: Conference

Geographical area: International

Type of participation: Participatory - oral communication

City of event: Online Event, Portugal

Date of event: 2022

End date: 2022

Type of entity: Not defined

Nagarajan, B.; Marques, R.; Mejia, M.; Radeva, P."Bhalaji Nagarajan; Ricardo Marques; Marcos Mejia; Petia Radeva; Class-conditional Importance Weighting for Deep Learning with Noisy Labels. VISIGRAPP (5:VISAPP) 2022; 679-686. DOI: 10.5220/0010996400003124".

9 Title of the work: Uncertainty modeling applied to food image analysis

Name of the conference: International Symposium on Artificial Intelligence (ISAI 2022) February 17 - 19, 2022 at Haldia Institute of Technology (<https://hithaldia.in/>), Haldia-721657, West Bengal, India.

Type of event: Conference

Geographical area: International

Type of participation: Participatory - invited/keynote talk

City of event: India

Date of event: 2022

End date: 2022

Petia Radeva.

10 Title of the work: ¿Por qué me fascina la inteligencia artificial?

Name of the conference: * within the 100tífiques (<https://www.donesciencia.cat/100tífiques/>). "100tífiques" is an initiative of the Catalan Foundation for Research and Innovation (FCRI) and the Barcelona Institute of Science and Technology (BIST), in collaboration with the Department of Education of the Generalitat de Catalunya. On February 11, more than 150 simultaneous informative talks were given by more than 180 researchers from the business world and from research centers and universities ("100thes") in 100 schools in Catalonia, mobilizing more than 15,000 6th and 1st year students of Primary ESO. The aim is to encourage the promotion of scientific and / or entrepreneurial vocations among girls, as well as to strengthen the connection and interaction of scientists and citizens, structuring two-way actions, 22 of February 2022.

Type of event: Conference

Geographical area: National

Type of participation: Participatory - invited/keynote talk

City of event: Spain

Date of event: 2022

End date: 2022

Petia Radeva.

11 Title of the work: Fonaments de l'Aprenentatge Profund per l'Anàlisi d'imatges: aplicació al reconeixement d'aliments

Name of the conference: Jornada SCM IDM 2022, Les matemàtiques de les imatges, * 18 of March 2022, online.

Type of event: Conference

Geographical area: National

Type of participation: Participatory - invited/keynote talk

City of event: Spain

Date of event: 2022

End date: 2022

Petia Radeva.

12 Title of the work: Uncertainty modelling in deep learning. Applications to monitoring of healthy nutrition of people

Name of the conference: International training school of VisuAAL ITN MSCA Network, Vienna, 24 of March 2021.

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: Austria

Date of event: 2022

End date: 2022

Petia Radeva.

13 Title of the work: Machine and Deep Learning - fundamentals and clinical applications

Name of the conference: Advanced Stem Cell Technologies in Neurology (ITN-ASCTN) Conference, Brussels, Belgium, 4th of April 2022.

Type of event: Conference

Geographical area: International

Type of participation: Participatory - invited/keynote talk

City of event: Belgium

Date of event: 2022

End date: 2022



Petia Radeva.

- 14** **Title of the work:** Computer Vision and Deep Learning - Applications to Healthcare
Name of the conference: Cicle CERCA, "Dilluns de ciència" a la Residència d'Investigadors, 20.4.2022.
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - invited/keynote talk
City of event: Spain
Date of event: 2022
End date: 2022
Petia Radeva.
- 15** **Title of the work:** Addressing the food image challenge as a fine-grained recognition problem
Name of the conference: Decor@ICDE, 9 of May 2022, Kuala Lumpur, Malasia, online.
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Malaysia
Date of event: 2022
End date: 2022
Petia Radeva.
- 16** **Title of the work:** Deep Learning Models for Food Image Analysis
Name of the conference: ICRIC-2022 Springer approved fifth International Conference, 17 of May, 2022
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: India
Date of event: 2022
End date: 2022
Petia Radeva.
- 17** **Title of the work:** Food recognition through uncertainty modeling
Name of the conference: 12th International Conference on Pattern Recognition Systems (ICPRS) at MINES Saint-Etienne in France from June 7 to June 10, 2022.
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: France
Date of event: 2022
End date: 2022
Petia Radeva.
- 18** **Title of the work:** Doing Food Recognition by uncertainty modeling
Name of the conference: International Summer school organized by the NHL Stenden University, Leeuwarden, The Netherlands, 15-17 of June, 2022.
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Holland
Date of event: 2022
End date: 2022
Petia Radeva.



- 19** **Title of the work:** What fascinates me about Food Recognition?!
- Name of the conference:** CVPR'2022, LatinX in AI Workshop, <https://www.latinxinai.org/eccv-2022>.
- Type of event:** Conference **Geographical area:** International
- Type of participation:** Participatory - invited/keynote talk
- City of event:** United States of America
- Date of event:** 2022
- End date:** 2022
- Petia Radeva.
- 20** **Title of the work:** What to do when we need to classify fine-grained categories in presence of high uncertainty?
- Name of the conference:** S+SSPR Workshop, ICPR 2022, Montreal, Canada Aug. 26-27, 2022
- Type of event:** Conference **Geographical area:** International
- Type of participation:** Participatory - invited/keynote talk
- City of event:** Canada
- Date of event:** 2022
- End date:** 2022
- Petia Radeva.
- 21** **Title of the work:** Foodbit: How can deep learning help diabetics manage their diet?
- Name of the conference:** Women in Data Science 28.9.2022, Barcelona.
- Type of event:** Conference **Geographical area:** National
- Type of participation:** Participatory - invited/keynote talk
- City of event:** Spain
- Date of event:** 2022
- End date:** 2022
- Petia Radeva.
- 22** **Title of the work:** What to do when we need to classify fine-grained categories in presence of high uncertainty?
- Name of the conference:** * CVIP 2022 7th IAPR International Conference on Computer Vision and Image Processing (CVIP2022) that will be tentatively organized on November 04-06, 2022 (Friday to Sunday) in Visvesvaraya National Institute of Technology (VNIT) Nagpur. India
- Type of event:** Conference **Geographical area:** International
- Type of participation:** Participatory - invited/keynote talk
- City of event:** India
- Date of event:** 2022
- End date:** 2022
- Petia Radeva.
- 23** **Title of the work:** -
- Name of the conference:** DLBCN Symposium, <https://sites.google.com/view/dlbcn2022/home?authuser=0>
- Type of event:** Conference **Geographical area:** National
- Type of participation:** Organizing committee
- City of event:** Spain
- Date of event:** 2022
- End date:** 2022
- Petia Radeva, Sergio Escalera, Xavier Giro, Coloma Ballester, Dimostenis Karatzas.



- 24** **Title of the work:** Editor in chief
Name of the conference: Pattern Recognition
Type of event: Conference **Geographical area:** International
Type of participation: Organizing committee
City of event: United States of America
Date of event: 2022
End date: 2022
Petia Radeva.
- 25** **Title of the work:** -
Name of the conference: Journal of Visual Communications and Image Representation (Q1, Scimago, IF:
Type of event: Conference **Geographical area:** International
Type of participation: Organizing committee
City of event: United States of America
Date of event: 2022
End date: 2022
Petia Radeva. "ISSN: 10473203".
- 26** **Title of the work:** A new scheme for the assessment of the robustness of Explainable Methods Applied to Brain Age estimation
Name of the conference: 34th IEEE International Symposium on Computer-Based Medical Systems, CBMS IEEE, ISBN 978-1-6654-4121-6, Aveiro,
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Portugal
Date of event: 2021
End date: 2021
Ahmed Salih; Ilaria Boscolo Galazzo; Zahra Raisi-Estabragh; Steffen E. Petersen; Polyxeni Gkontra; Karim Lekadir; Gloria Menegaz; Petia Radeva.
- 27** **Title of the work:** Why Data Science, Artificial Intelligence, Computer Vision and Deep Learning fascinate me?
Name of the conference: Stanford Women in Data Science in Barcelona, 22 of June, 2021.
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Spain
Date of event: 2021
End date: 2021
Petia Radeva.
- 28** **Title of the work:** What is common between Negative Transfer, Uncertainty and Food Recognition?
Name of the conference: 7 of July, 2021, Delta'2021, (online).
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Portugal
Date of event: 2021
End date: 2021
Petia Radeva.



- 29** **Title of the work:** Explainable and interpretable AI for transparent clinical decision making
Name of the conference: International * Summer school Dataethics, 17 of July 2021, Barcelona.
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Spain
Date of event: 2021
End date: 2021
 Petia Radeva.
- 30** **Title of the work:** Uncertainty Modelling and Deep Learning in Food Analysis
Name of the conference: International Summer school DeepLearn, Gran Canarias, 29 of July 2021.
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Spain
Date of event: 2021
End date: 2021
 Petia Radeva.
- 31** **Title of the work:** Puede el Aprendizaje Profundo ayudar a la gente comer más sano?
Name of the conference: AI & Big Data, 15 of September 2021, <https://aicongress.barcelona/es/>.
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - invited/keynote talk
City of event: Spain
Date of event: 2021
End date: 2021
 Petia Radeva.
- 32** **Title of the work:** Quantifying uncertainty in Deep learning models. Application to Food Recognition
Name of the conference: International Summer school MSCA Menelaos, Coruña, Spain, 22 of September, 2021
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Spain
Date of event: 2021
End date: 2021
 Petia Radeva.
- 33** **Title of the work:** Shall Food recognition be the next challenge of Deep Learning?!
Name of the conference: AERFAI, CEDI 2021, (congresocedi.es) Málaga, special session of AERFAI, 23 de Septiembre de 2021.
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Spain
Date of event: 2021
End date: 2021
 Petia Radeva.
- 34** **Title of the work:** Com la Intel·ligència Artificial pot ajudar a millorar els hàbits nutricionals de les persones?!
- Name of the conference:** XPatient Congress, 28.09.2021, Barcelona, Spain, <https://xpatientbcncongress.com/continguts-2021/>.



Type of event: Conference

Geographical area: National

Type of participation: Participatory - invited/keynote talk

City of event: Spain

Date of event: 2021

End date: 2021

Petia Radeva.

35 Title of the work: Women in Computer Vision

Name of the conference: Workshop Women in Computer Vision, ICCV'2021, 14 of October, 2021 (online)

Type of event: Conference

Geographical area: International

Type of participation: Participatory - invited/keynote talk

City of event: United States of America

Date of event: 2021

End date: 2021

Petia Radeva.

36 Title of the work: How Food Recognition can leverage Uncertainty Modelling

Name of the conference: ICCV Workshop "LargeFineFoodAI: Large-Scale Fine-Grained Food Analysis", ICCV, 16 October 2021 (online)

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: United States of America

Date of event: 2021

End date: 2021

Petia Radeva.

37 Title of the work: 'Deep learning: Fundamentals and Applications' and 'Object detection and segmentation, and Transfer Learning'

Name of the conference: International Summer School "AI-Powered IoT for Building Smart Sustainable Signal Processing Applications", 15th - 19th November 2021 organised by the School of Electronics and Communication Engineering, MIT-WPU, Pune, India

Type of event: Conference

Geographical area: International

Type of participation: Participatory - invited/keynote talk

City of event: India

Date of event: 2021

End date: 2021

Petia Radeva; Bhalaji Nagarajan.

38 Title of the work: Machine Learning - fundamentals and applications

Name of the conference: International * Summer school: "EXTREME: Modelling, Simulation and Artificial Intelligence in Colloid and Interface Science", 22nd and 23rd of November, 2021 (online).

Type of event: Conference

Geographical area: International

Type of participation: Participatory - invited/keynote talk

City of event: Spain

Date of event: 2021

End date: 2021

Petia Radeva.

39 Title of the work: Three ways of using uncertainty modeling to help Deep learning: Application to Food recognition

Name of the conference: IEEE ICECCO conference, 23-26 of November 2021.



Type of event: Conference

Geographical area: International

Type of participation: Participatory - invited/keynote talk

City of event: India

Date of event: 2021

End date: 2021

Petia Radeva.

40 Title of the work: Application of Data Science

Name of the conference: December 13 to 17, 2021, International School of Computer Science & Engineering (<https://scse.xim.edu.in/>), XIM University, Bhubaneswar, India.

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: India

Date of event: 2021

End date: 2021

Petia Radeva.

41 Title of the work: Health data empowerment and artificial intelligence: ethical dilemmas, advantages and challenges

Name of the conference: International winter school of the project DATAETHICS (Leiden University Medical Center) (27 of January 2022)

Type of event: Conference

Geographical area: International

Type of participation: Participatory - invited/keynote talk

City of event: Holland

Date of event: 2021

End date: 2021

Petia Radeva.

42 Title of the work: Uncertainty modelling within an End-to-end framework for Food Image Analysis

Name of the conference: Biostec, 13 of March, 2020, Valetta, Malta.

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: Malta

Date of event: 2020

End date: 2020

Petia Radeva.

43 Title of the work: Applying Deep Learning for Food Recognition

Name of the conference: ITNT, Samara, Russia, 28 of May 2020.

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: Russia

Date of event: 2020

End date: 2020

Petia Radeva.

44 Title of the work: Uncertainty modelling for food analysis within end-to-end framework

Name of the conference: International Summer school AI-DLDA, 29 of June, 2020, Udine, Italy

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: Italy



Date of event: 2020

End date: 2020

Petia Radeva.

45 Title of the work: Uncertainty ModelLing within an End-to-end Framework for Food Image Analysis

Name of the conference: DeLTA, Paris, France, 8 of July 2020

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: France

Date of event: 2020

End date: 2020

Petia Radeva.

46 Title of the work: How Deep Learning and Uncertainty Modeling can help people get aware how they eat

Name of the conference: XI Conferencia Internacional Infonor Chile 24.09.2020

(<http://www.infonor2020.uda.cl/>).

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: Chile

Date of event: 2020

End date: 2020

Petia Radeva.

47 Title of the work: Food Image Analysis by Deep Learning

Name of the conference: India, 24.06.2020, as part of the 5 days FDP programme on "Recent Advances of Machine Learning and its Applications" organised by Amity University Kolkata, India.

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: India

Date of event: 2020

End date: 2020

Petia Radeva.

48 Title of the work: Uncertainty Modelling and Adversarial Networks Applied to Food Image Analysis

Name of the conference: at ICMV'2020, 3.11.2020 (online)

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: France

Date of event: 2020

End date: 2020

Petia Radeva.

49 Title of the work: Uncertainty modeling within end-to-end framework

Name of the conference: International Conference on Machine Vision, Amsterdam

Type of event: Conference

Geographical area: International

Type of participation: Participatory - invited/keynote talk

City of event: Holland

Date of event: 2019

End date: 2019

Petia Radeva.

- 50** **Title of the work:** Uncertainty aware Deep learning for Food image analysis
Name of the conference: BIOSTEC'2020
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Malta
Date of event: 2019
End date: 2019
Petia Radeva.
- 51** **Title of the work:** Uncertainty-Aware Food Recognition by Deep Learning
Name of the conference: Data Council, Barcelona, Spain, 29 of September 2019.
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Spain
Date of event: 2019
End date: 2019
Petia Radeva.
- 52** **Title of the work:** Uncertainty Modelling for Improving Food Recognition
Name of the conference: ICMV'2019, 16 of November, 2019, Amsterdam, The Netherlands
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Holland
Date of event: 2019
End date: 2019
Petia Radeva.
- 53** **Title of the work:** Uncertainty-aware food analysis by Deep learning
Name of the conference: International Conference on Machine Vision, Munich,
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Germany
Date of event: 2018
End date: 2018
Petia Radeva.
- 54** **Title of the work:** Deep learning in a multi-task framework. Application to Food analysis'
Name of the conference: APPIS'18 conference, Gran Canarias
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Spain
Date of event: 2018
End date: 2018
Petia Radeva.
- 55** **Title of the work:** Tutorial on 'Deep Learning and Applications to Activity Recognition from Egocentric Photostreams'
Name of the conference: APPIS'18 conference, Gran Canarias
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Spain



Date of event: 2018

End date: 2018

Petia Radeva.

- 56 Title of the work:** Advanced Computer Vision and Applications
Name of the conference: CACIC'18, Tandil, Argentina, 6-12.10.2018
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Argentina
Date of event: 2018
End date: 2018
Petia Radeva; Jose Massa.

- 57 Title of the work:** Deep Learning and Computer Vision
Name of the conference: Edición: 'Aula Magna'2018', Lima, Peru
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Peru
Date of event: 2018
End date: 2018
Petia Radeva.

- 58 Title of the work:** Uncertainty-aware food analysis by Deep learning
Name of the conference: International Conference A2IC'2018, Barcelona, Spain, 22.11.2018.
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Spain
Date of event: 2018
End date: 2018
Petia Radeva.

- 59 Title of the work:** Deep learnign applied to Food Recognition
Name of the conference: International Conference on Machine Vision, Vienna, Austria
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Austria
Date of event: 2017
End date: 2017
Petia Radeva.

- 60 Title of the work:** Deep learning applied to Food Intake Moniitoring
Name of the conference: Machine Learning and Data Mining (MLDM'2017) conference.
http://www.mldm.de/invited_talks.php
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: United States of America
Date of event: 2017
End date: 2017
Petia Radeva.



- 61** **Title of the work:** Plenary talk on 'How Egocentric Vision and Visual Lifelogging complement medical images in health applications?!'
Name of the conference: SIPAIM'2016, Tandil, Argentina, 2016
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Tandil, Argentina
Date of event: 2016
End date: 2016
Petia Radeva.
- 62** **Title of the work:** Plenary talk on "What is common between Deep learning, Food Analysis and Egocentric Vision? 18-30 of November, 2016.
Name of the conference: ICMV'2016
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Nice, France
Date of event: 2016
End date: 2016
Petia Radeva.
- 63** **Title of the work:** Plenary talk on 'Can Deep Learning and Egocentric Vision for Visual Lifelogging help us eat better?', 20 of October, 2016.
Name of the conference: CCIA'16
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Barcelona, Spain
Date of event: 2016
End date: 2016
Petia Radeva. "IOS Press".
- 64** **Title of the work:** Deep learning and Lifelogging
Name of the conference: The 8th International Conference on Machine Vision (ICMV 2015)
Type of event: Conference **Geographical area:** International
Type of participation: Organizing committee
City of event: Barcelona, Spain
Date of event: 2015
End date: 2015
Petia Radeva.
- 65** **Title of the work:** Tutorial day on: CAIP 2015 Introduction on Visual Lifelogging I part CAIP 2015 Deep learning II part CAIP 2015 TemporalSegmentation III part CAIP 2015 Social interactions IV part
Name of the conference: International Conference on Computer Analysis and Image Processing (CAIP'2015)
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Malta
Date of event: 2015
End date: 2015
Petia Radeva; Mariella Dimiccoli. "Springer Verlag".



- 66** **Title of the work:** Visual Lifelogging in the Era of Outstanding Digitization
Name of the conference: The Fifth International Conference on Digital Presentation and Preservation of Cultural and Scientific Heritage; DiPP2015
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Bulgaria
Date of event: 2015
End date: 2015
Petia Radeva; Mariella Dimiccoli. "Publishing House: Bulgarian Academy of Science ISSN: 1314-4006".
- 67** **Title of the work:** Using deep learning to detect small intestine disorders
Name of the conference: International Conference on Computer Vision and Pattern Recognition (CVPR'2015)
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Boston, United States of America
Date of event: 2015
End date: 2015
Petia Radeva.
- 68** **Title of the work:** Object Discovery Using CNN Features in Egocentric Videos
Name of the conference: IBPRIA 2015: 7th Iberian Conference on Pattern Recognition and Image Analysis
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Santiago de Compostela, Spain
Date of event: 2015
End date: 2015
Bolaños, M.; Garolera, M.; Radeva, P. "Springer Verlag".
- 69** **Title of the work:** R-Clustering for Egocentric Video Segmentation
Name of the conference: IBPRIA 2015: 7th Iberian Conference on Pattern Recognition and Image Analysis
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - poster
City of event: Santiago de Compostela, Spain
Date of event: 2015
End date: 2015
Talavera, E.; Dimiccoli, M.; Bolaños, M.; Aghaei, M.; Radeva, P. "Springer Verlag".
- 70** **Title of the work:** Life-logging: what's it about?
Name of the conference: International Conference on Machine Vision (ICMV'2014)
Type of event: Conference **Geographical area:** International
Type of participation: Organizing committee
City of event: Milano, Italy
Date of event: 2014
End date: 2014
Petia Radeva.
- 71** **Title of the work:** Lifelogging: what's it about?
Name of the conference: International Conference on Articulated Motion and Deformable Models (AMDO'2014)
Type of event: Conference **Geographical area:** International



Type of participation: Participatory - invited/keynote talk
City of event: Palma de Mallorca, Spain
Date of event: 2014
End date: 2014
Petia Radeva.

- 72 Title of the work:** Video Segmentation of Life-Logging Videos
Name of the conference: International Conference on Articulated Motion and Deformable Models (AMDO'2014)
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Palma de Mallorca, Spain
Date of event: 2014
End date: 2014
Bolaños, M.; Garolera, M.; Radeva, P. "Springer Verlag".

- 73 Title of the work:** Intestinal event segmentation for endoluminal video analysis
Name of the conference: Proceedings of 2014 IEEE International Conference on Image Processing (ICIP).
Page(s): 3592 - 359. DOI 10.1109/ICIP.2014.7025729
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Paris, France
Date of event: 2014
End date: 2014
Type of entity: Not defined
Drozdal, M.; Vitrià, J.; Seguí, S.; Malagelada, C.; Azpiroz, F.; Radeva P. "Image Processing (ICIP), 2014 IEEE International Conference on".

- 74 Title of the work:** Combining Detectors for Human Layout Analysis, Greece, 2010
Name of the conference: 11th European Conference on Computer Vision,
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Greece
Date of event: 2010
End date: 2010
Drozdal, M.; Hernández, A.; Seguí, S.; Baró, X.; Escalera, S.; Lapedriza, A.; Masip, D.; Radeva, P.; Vitrià, J. "The Pascal Visual Object Classes Challenge Workshop 2010,".

- 75 Title of the work:** Modelling and Analyzing Multimodal Dyadic Interactions Using Social Networks, 1 2010, , China, 2010.
Name of the conference: 2th International Conference on Multimodal Interfaces and 7th Workshop on Machine Learning for Multimodal Interaction,
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Beijing, China
Date of event: 2010
End date: 2010
Escalera, S.; Radeva, P.; Vitrià, J.; Baró, X.; Raducanu, B. "Proceedings of ICMI-MLMI".

- 76** **Title of the work:** Compact Evolutive Design of Error-Correcting Output Codes, Supervised and Unsupervised Methods and their Applications (SUEMA),
Name of the conference: European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases,
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Spain
Date of event: 2010
End date: 2010
Bautista, M.Á.; Baró, X.; Pujol, O.; Radeva, P.; Vitrià, J.; Escalera, S."Proceedings of ECML PKDD".
- 77** **Title of the work:** Adding Classes Online in Error Correcting Output Codes Framework
Name of the conference: International Conference on Pattern Recognition
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - poster
City of event: Istanbul, Turkey
Date of event: 2010
End date: 2010
Sergio Escalera; David Masip; Eloi Puertas; Petia Radeva; Oriol Pujol. "978-1-4244-7542-1, pp. 2945-2948".
- 78** **Title of the work:** Spatio-Temporal GrabCut Human Segmentation for Face and Pose Recovery, , 2010.
Name of the conference: IEEE International Workshop on Analysis and Modeling of Faces and Gestures, Computer Vision and Pattern Recognition
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: United States of America
Date of event: 2010
End date: 2010
Hernández, A.; Reyes, M.; Escalera, S.; Radeva, P."Proceedings of CVPR".
- 79** **Title of the work:** Aligning Endoluminal Scene Sequences in Wireless Capsule Endoscopy
Name of the conference: IEEE Computer Society Workshop on Mathematical Methods in Biomedical Image Analysis (MMBIA10), CVPR
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: San Francisco, United States of America
Date of event: 2010
End date: 2010
Drozdal, M.; Igual, L.; Vitria, J.; Malagelada, C.; Azpiroz, F.; Radeva, P."Lecture Notes in Computer Science. ISBN 978-1-4244-7029-7. pp.117-124."
- 80** **Title of the work:** Ultrasonographic plaque characterization using a rayleigh mixture model
Name of the conference: Biomedical Imaging: From Nano to Macro, 2010 IEEE International Symposium on
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Chicago, United States of America
Date of event: 2010
End date: 2010
Seabra, J.; Sanches, J.; Ciompi, F.; Radeva, P."Proceedings of Biomedical Imaging".

- 81 Title of the work:** "A meta-learning approach to Conditional Random Fields using Error-Correcting Output Code"
Name of the conference: IEEE International Conference on Pattern Recognition (ICPR),
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Istambul, Turkey
Date of event: 2010
End date: 2010
Ciompi, F.; Pujol, O.; Radeva, P.; 2010, Istanbul (Turkey). "Proceedings of IEEE International Conference on Pattern Recognition (ICPR),".
- 82 Title of the work:** "Caracterització automàtica de la placa mitjançant l'anàlisi de l'espectre de radiofreqüència en estudi d'ecografia intracoronària: resultat de la fusió de dades invivo i exvivo"
Name of the conference: XXII Congrés Societat Catalana de Cardiologia,
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Barcelona, Spain
Date of event: 2010
End date: 2010
Rodríguez-Leor, O.; Hemetsberger, R.; Ciompi, F.; Fernández-Noferías, E.; Serrano-Vida, A.; Bernet, M.; Radeva, P.; Mauri-Ferre, J.; Bayés-Genís, A.; ∑ XXII Congrés Societat Catalana de Cardiologia, June 2010, Barcelona (Spain). "Proceedings of XXII Congrés Societat Catalana de Cardiologia,".
- 83 Title of the work:** "Canvis de volum a l'artèria radial després de l'administració de dos tractaments vasodilatadors. Avaluació mitjançant ecografia intravascular"
Name of the conference: XXII Congrés Societat Catalana de Cardiologia,
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Barcelona, Spain
Date of event: 2010
End date: 2010
Salvatella-Giralt, N.; Fernández-Noferías, E.; Ciompi, F.; Rodríguez-Leor, O.; Carillo-Suàrez, X.; Hemetsberger, R.; Radeva, P.; Mauri-Ferre, F.; Bayés-Genís, A."Proceedings of XXII Congrés Societat Catalana de Cardiologia,".
- 84 Title of the work:** Embedding Random Projections in Regularized Gradient Boosting Machines,
Name of the conference: Supervised and Unsupervised Methods and their Applications (SUEMA), European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases,
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Barcelona, Spain
Date of event: 2010
End date: 2010
Pierluigi Casale, Oriol Pujol, and Petia Radeva,. "Proceedings of ECML PKDD".
- 85 Title of the work:** Real-time Gating of IVUS Sequences based on Motion Blur Analysis: Method and Quantitative Validation
Name of the conference: MICCAI'2010,
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Beijing, China



Date of event: 2010

End date: 2010

Gatta, C.; Balocco, S.; Ciompi, F.; Hemetsberger, R.; Rodríguez, O.; Petia Radeva, L. "Proceedings of MICCAI'2010,".

- 86** **Title of the work:** Applying Machine Learning Techniques in Wireless Endoscopy
Name of the conference: International Conference on Mass-Data Analysis of Images and Signals in Medicine, Biotechnologie, Chemistry and Food Industry
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Leipzig, Germany
Date of event: 2008
End date: 2008
Petia Ivanova Radeva.

- 87** **Title of the work:** Cardiac Avalysis on IntraVascular Ultrasound Images
Name of the conference: Congreso Nacional de Bioingeniería
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Mérida, Venezuela
Date of event: 2008
End date: 2008
Petia Ivanova Radeva.

- 88** **Title of the work:** Tissue Characterization in Intravascular Ultrasound Images
Name of the conference: Congreso Argentino de Bioingeniería SABI 2007
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: San Juan, Argentina
Date of event: 2007
End date: 2007
Petia Ivanova Radeva.

- 89** **Title of the work:** Motility Analysis of Intestine Videos Acquired by a Wireless Capsule
Name of the conference: Congreso Argentino de Bioingeniería SABI 2007
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: San Juan, Argentina
Date of event: 2007
End date: 2007
Petia Ivanova Radeva.

- 90** **Title of the work:** Complex Salient Regions for Computer Vision Problems
Name of the conference: CVPR
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: United States of America
Date of event: 2007
End date: 2007
Escalera, S.; Pujol, O.; Radeva, P.



- 91** **Title of the work:** Sparse Bayesian Feature Selection Applied to Intestinal Motility Analysis
Name of the conference: Congreso Argentino de Bioingeniería SABI 2007
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: San Juan, Argentina
Date of event: 2007
End date: 2007
Igual, L.; Seguí, S.; Vitrià, J.; Azpiroz, F.; Radeva, P. "Proceedings del XVI Congreso Argentino de Bioingeniería".
- 92** **Title of the work:** Blood Detection in IVUS Images for 3D Volume of Lumen Changes Measurement Due to Different Drugs Administration
Name of the conference: CAIP 2007
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - poster
City of event: Vienna, Austria
Date of event: 2007
End date: 2007
D. Rotger, P. Radeva, E. Fernández-Nofrerías, J. Mauri. "Springer Verlag, 285-292".
- 93** **Title of the work:** Deformable Models applied for Object Recognition
Name of the conference: IV Conference on Articulated Motion and Deformable Objects (AMDO-e 2006)
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - invited/keynote talk
City of event: Andratx, Mallorca, Spain
Date of event: 2006
End date: 2006
Petia Ivanova Radeva.
- 94** **Title of the work:** Boosted Landmarks of Contextual Descriptors and Forest-ECOC: a novel framework to detect and classify objects in cluttered scenes.
Name of the conference: IEEE ICPR
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Hong Kong
Date of event: 2006
End date: 2006
Escalera, S.; Pujol, O.; Radeva, P. "In IEEE ICPR, vol. 4, pp. 104-107, IEEE Computer Society, 2006. ISBN: 0-7695-2521-0".
- 95** **Title of the work:** Cascade analysis for intestinal contraction detection
Name of the conference: Computer Assisted Radiology and Surgery. 20th International Congress and Exhibition
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Osaka, Japan
Date of event: 2006
End date: 2006
Vilariño, F.; Spyridonos, P.; Vitrià, J.; Azpiroz, F.; Radeva, P.



- 96** **Title of the work:** In-vivo IVUS Tissue Classification: a comparison between RF Signal Analysis and Reconstructed Images
Name of the conference: CIARP 2006
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Cancún, Mexico
Date of event: 2006
End date: 2006
Caballero, K.; Pujol, O.; Radeva, P.
- 97** **Title of the work:** Anisotropic feature extraction from endoluminal images for detection of intestinal contractions
Name of the conference: Medical Image Computing and Computer-Assisted Intervention Conference
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Copenhagen, Denmark
Date of event: 2006
End date: 2006
Spyridonos, P.; Vilariño, F.; Vitrià, J.; Azpiroz, F.; Radeva, P.
- 98** **Title of the work:** Suppression of IVUS Image Rotation. A Kinematic Approach
Name of the conference: FIMH'2005
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Barcelona, Spain
Date of event: 2005
End date: 2005
M. Rosales, P. Radeva, O. Rodríguez, and D. Gil. "LNCS-3504, Springer Verlag, FIMH'2005, 2005, pp. 359-368."
- 99** **Title of the work:** A Deterministic-Statistic Adventitia Detection in IVUS Images
Name of the conference: FIMH'2005
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - poster
City of event: Barcelona, Spain
Date of event: 2005
End date: 2005
D. Gil, A. Hernandez, A. Carol, O. Rodríguez and P. Radeva. "LNCS-3504, Springer Verlag, FIMH'2005, 2005, pp.65-74."
- 100** **Title of the work:** Efficient object-class recognition by boosting contextual information
Name of the conference: IbPRIA
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Estoril, Portugal
Date of event: 2005
End date: 2005
J. Amores, N. Sebe, P. Radeva. "Springer Verlag, LNCS 3522, IbPRIA'2005, 2005, pp.28-35."



- 101 Title of the work:** Fast Spatial Pattern Discovery Integrating Boosting with Constellations of Contextual Descriptors
Name of the conference: CVPR
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: San Diego, California, United States of America
Date of event: 2005
End date: 2005
J. Amores, N. Sebe, P. Radeva. "Proceedings of International Conference on CVPR'2005, San Diego, CA, USA, June 20-25."
- 102 Title of the work:** Building and Registering Parameterized 3D Models of Vessel Trees for Visualization during Intervention
Name of the conference: IAPR
Type of event: Conference **Geographical area:** International
Type of participation: 'Participatory - poster
City of event: Cambridge, United Kingdom
Date of event: 2005
End date: 2005
G. Langs, P. Radeva, D. Rotger, F. Carreras. "17th International Conference on Pattern Recognition, ICPR'04".
- 103 Title of the work:** Adaboost to Classify Plaque Appearance in IVUS Images
Name of the conference: IX Iberoamerican Congress on Pattern Recognition
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Puebla, Mexico
Date of event: 2004
End date: 2004
Pujol, O.; Radeva, P.; Vitrià, J.; Mauri, J.
- 104 Title of the work:** Discriminant Projections Embedding for Nearest Neighbor Classification
Name of the conference: 9th Iberoamerican Congress on Pattern Recognition
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Puebla, Mexico
Date of event: 2004
End date: 2004
Radeva, P.; Vitrià, J.
- 105 Title of the work:** Simulation Model of Intravascular Ultrasound Images
Name of the conference: MICCAI 2004
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Saint-Malo, France
Date of event: 2004
End date: 2004
Rosales, M.; Radeva, P.; Mauri, J.; Pujol, O.



- 106** **Title of the work:** Aplicación de la Informática Gráfica al Análisis de las Vasos Cardiacos
Name of the conference: Edición XIII del Congreso Nacional de Informática Gráfica (CEIG'2003)
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - invited/keynote talk
City of event: A Coruña, Spain
Date of event: 2003
End date: 2003
Petia Ivanova Radeva.
- 107** **Title of the work:** Anisotropic Contour Completion
Name of the conference: International Conference on Image Processing
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - poster
City of event: Barcelona, Spain
Date of event: 2003
End date: 2003
D. Gil, P. Radeva, F. Vilariño. "Proceedings of ICIP".
- 108** **Title of the work:** User Assesment of a Visual Genre Classifier
Name of the conference: 3rd IASTED Int. Conference Visualization, Imaging and Image Processing
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Benalmadena, Spain
Date of event: 2003
End date: 2003
: M. Dimitrova, N. Kushmerick, P. Radeva, JJ. Villanueva. "Proceedings of the 3rd IASTED Int. Conference Visualization, Imaging and Image Processing, September 8-10, pp.886-889.".
- 109** **Title of the work:** Elastic Matching and Retrieval of IVUS Images Using Contextual Information
Name of the conference: Congreso Catalán de Inteligencia Artificial
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Palma de Mallorca, Spain
Date of event: 2003
End date: 2003
J. Amores and P. Radeva. "IOS Press (CCIA 2003), pp.137-148.".
- 110** **Title of the work:** Intravascular Ultrasound Images Vessel Characterization using AdaBoost
Name of the conference: FIMH 2003
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Lyon, France
Date of event: 2003
End date: 2003
Pujol, O.; Rosales, M.; Radeva, P.
- 111** **Title of the work:** Bayesian Classification for Inspection of Industrial Products
Name of the conference: 5th Catalan Conference on Artificial Intelligence
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - oral communication
City of event: Castelló de la Plana, Spain



Date of event: 2002

End date: 2002

Radeva, P.; Bressan, M.; Tobar, A.; Vitrià, J.

112 Title of the work: Real Time Inspection of Cork Stoppers using Parametric Methods in High Dimensional Spaces

Name of the conference: IASTED International Conference, Signal and Image Processing (SIP 2002)

Type of event: Conference

Geographical area: International

Type of participation: Participatory - oral communication

City of event: United States of America

Date of event: 2002

End date: 2002

Radeva, P.; Bressan, M.; Tobar, A.; Vitrià, J.

113 Title of the work: Ecografia Intracoronaria: Un nou pas, la fusió d'imatges amb l'angiografia, el software

Name of the conference: Revista Catalana de Cardiologia 4(1):48, 2001

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: Barcelona, Spain

Date of event: 2001

End date: 2001

J. Mauri, E. Fernández-Nofrerías, A. Tovar, E. Martínez, L. Cano, C. Julià, V. Valle, D. Rotger, C. Cañero, P. Radeva. "Revista Societat Catalana de Cardiologia".

114 Title of the work: 3D Reconstruction of a Stent by Deformable Models

Name of the conference: Visualisation, Imaging, and Image Processing, IASTED

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: Marbella, Spain

Date of event: 2001

End date: 2001

P. Radeva, C. Cañero, J.J. Villanueva, J. Mauri, Eduard Nofrerías. "Proceedings of Visualisation, Imaging, and Image Processing, IASTED, 2001, pp.417-422."

115 Title of the work: Advanced Visualization of 3D Data of Intravascular Ultrasound Images

Name of the conference: International Symposium for Medical Data Analysis (ISMDA)

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: Madrid, Spain

Date of event: 2001

End date: 2001

D. Rotger, P. Radeva, C. Cañero, JJ Villanueva, J. Mauri, E. Nofrerías, A. Tovar, V. Valle. "LNCS, pp.245-250."

116 Title of the work: Moviment del vas en l'anàlisi d'imatges de ecografia intracoronària: un model matemàtic

Name of the conference: Congrés de la Societat Catalana de Cardiologia

Type of event: Conference

Geographical area: National

Type of participation: Participatory - poster

City of event: Barcelona, Spain

Date of event: 2000

End date: 2000

J. Mauri, E-F. Nofrerías, B. García del Blanco, E. Iráculis, J.A. Gómez Hospital, J. Comín, MA Sanchez Corral, F. Jara, A. Cequier, E. Esplugas, D. Gil, J. Saludes, P. Radeva, R. Toledo, J. Villanueva. "Revista de la Societat Catalana de Cardiologia".

- 117 Title of the work:** Discriminant snakes for 3D reconstruction in medical images
Name of the conference: 15th International Conference on Pattern Recognition
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Barcelona, Spain
Date of event: 2000
End date: 2000
P. Radeva. "Proceedings of 15th ICPR".

- 118 Title of the work:** Flexible Shape Models for Segmentation and Tracking of Cardiovascular Imaging Data
Name of the conference: IEEE International Conference on Image Processing
Type of event: Conference **Geographical area:** International
Type of participation: Participatory - invited/keynote talk
City of event: Chicago, IL, United States of America
Date of event: 1998
End date: 1998
Petia Ivanova Radeva.

Works submitted to national or international seminars, workshops and/or courses

- 1 Title of the work:** Layer Ensembles: A Single-Pass Uncertainty Estimation in Deep Learning for Segmentation
Reasons for participation: Speaker
Date of event: 2022
End date: 2022
- 2 Title of the work:** A new scheme for the assessment of the robustness of ExplainableMethods Applied to Brain Age estimation
Name of the event: 34th IEEE International Symposium on Computer-Based Medical Systems, CBMS IEEE, ISBN 978-1-6654-4121-6
Reasons for participation: Speaker
City of event: Aveiro, Portugal,, Portugal
Date of event: 07/06/2021
End date: 07/06/2021
- 3 Title of the work:** Invited plenary talk on 'Uncertainty aware Deep learning for Food image analysis' at BIOSTEC'2020
Reasons for participation: Speaker
Date of event: 25/02/2020
End date: 25/02/2020
- 4 Title of the work:** Invited talk on 'Uncertainty aware food image analysis' at the University of Groningen
Reasons for participation: Speaker
Date of event: 13/02/2020
End date: 13/02/2020



- 5** **Title of the work:** Invited keynote talk on 'Uncertainty modeling within end-to-end framework'
Name of the event: ICMV Conference, <http://icmv.org/keynote.html>
Reasons for participation: Speaker
Date of event: 16/11/2019
End date: 16/11/2019
- 6** **Title of the work:** Invited talk 'Uncertainty-Aware Food Recognition by Deep Learning | University of Barcelona',
Name of the event: Data council, Barcelona
Reasons for participation: Speaker
City of event: <https://www.datacouncil.ai/spe>, Spain
Date of event: 02/10/2019
End date: 02/10/2019
- 7** **Title of the work:** Invited talk on: 'Deep learning - science, technology or society solution?', Acte d'inauguració del curs, 2019!2020, Faculty of Mathematics and Computer Science.
Reasons for participation: Speaker
Date of event: 25/09/2019
End date: 25/09/2019
- 8** **Title of the work:** Invited talk, 'Uncertainty modeling in Food Analysis', Faculty of Mathematics, Sofia University 'Kliment Ohridski',
Reasons for participation: Speaker
Date of event: 19/08/2019
End date: 19/08/2019
- 9** **Title of the work:** Invited pannel participation in the II Jornada de Dades de Recerca 30 of April, 2019 Aula Magna de l'Edifici Historic, UB.
Reasons for participation: Speaker
Date of event: 30/04/2019
End date: 30/04/2019
- 10** **Title of the work:** Invited talk on 'Deep learning and food image analysis', at the University of Otago
Reasons for participation: Speaker
Date of event: 18/04/2019
End date: 18/04/2019
- 11** **Title of the work:** Invited plennary talk on 'Uncertainty-aware food analysis by Deep learning'
Name of the event: International Conference A2IC'2018
Reasons for participation: Speaker
City of event: Barcelona, Spain
Date of event: 22/11/2018
End date: 22/11/2018
- 12** **Title of the work:** Invited talk on "Deep Learning and Computer Vision"
Name of the event: Aula Magna
Reasons for participation: Speaker
City of event: Lima, Peru
Date of event: 05/11/2018
End date: 05/11/2018



- 13** **Title of the work:** Invited speaker on the tutorial 'ADVANCED COMPUTER VISION AND APPLICATIONS'
Name of the event: XXIV Congreso Argentino de Ciencias de la Computación
Reasons for participation: Speaker
City of event: Tandil., Argentina
Date of event: 08/10/2018
End date: 08/10/2018
- 14** **Title of the work:** Invited plenary talk on "Uncertainty-aware food analysis by Deep learning"
Name of the event: International Conference on Machine Vision, ICMV'2018
Reasons for participation: Speaker
City of event: Munich, Germany
Date of event: 02/10/2018
End date: 02/10/2018
- 15** **Title of the work:** Invited talk on 'Applying Deep Learning to Recognize What We Eat?'
Name of the event: XoveTIC journeys
Reasons for participation: Speaker
City of event: Coruña, Spain, Spain
Date of event: 27/09/2018
End date: 27/09/2018
- 16** **Title of the work:** Plenary talk on 'Deep learning in a multi-task framework. Application to Food analysis' at APPIS'18 conference, Gran Canarias
Reasons for participation: Speaker
Date of event: 19/01/2018
End date: 19/01/2018
- 17** **Title of the work:** Organizing a tutorial on 'Deep Learning and Applications to Activity Recognition from Egocentric Photostreams' at APPIS'18 conference, Gran Canarias
Reasons for participation: Speaker
Date of event: 09/01/2018
End date: 09/01/2018
- 18** **Title of the work:** Plenary talk and Local chapter chair at ICMV 2018, Munich Germany.
Reasons for participation: Speaker
Date of event: 2018
End date: 2018
- 19** **Title of the work:** Plenary talk at ICMV
Reasons for participation: Speaker
Date of event: 12/11/2017
End date: 12/11/2017
- 20** **Title of the work:** Invited talk on 'Deep learning applied to Food Intake Monitoring'
Name of the event: Machine Learning and Data Mining International Conference (MLDM'2017)
Reasons for participation: Speaker
City of event: Newark, United States of America
Date of event: 24/07/2017
End date: 24/07/2017



- 21 Title of the work:** Invited talk at the Machine Learning and Data Mining (MLDM'2017) conference.
http://www.mldm.de/invited_talks.php
Reasons for participation: Speaker
Date of event: 2017
End date: 2017
- 22 Title of the work:** Invited speaker to the online seminar 'The Bulgarian scientists in the international science forum' held by
<http://www.azbuki.bg/editions/azbuki/newspaper-3/272-allnews2016/ed51-216/2702-19/12/2016>.
Reasons for participation: Speaker
Date of event: 19/12/2016
End date: 19/12/2016
- 23 Title of the work:** Invited talk on "How Egocentric Vision and Visual Lifelogging complement medical images in health applications?!"
Name of the event: SIPAIM'2016
Reasons for participation: Speaker
City of event: Tandil, Argentina
Date of event: 05/12/2016
End date: 05/12/2016
- 24 Title of the work:** Invited talk on "What is common between Deep learning, Food Analysis and Egocentric Vision?"
Name of the event: International Conference on Machine Vision (ICMV'2016)
Reasons for participation: Speaker
City of event: Nice, France
Date of event: 18/11/2016
End date: 18/11/2016
- 25 Title of the work:** Invited speaker to the workshop "Humanitarian and social science: from the university to the enterprise" Faculty of Philology, University of Barcelona, <http://www.fbg.ub.edu/humanitats/>.
Reasons for participation: Speaker
Date of event: 17/11/2016
End date: 17/11/2016
- 26 Title of the work:** Invited plenary talk on "Can Deep Learning and Egocentric Vision for Visual Lifelogging help us eat better?"
Name of the event: CCIA'16
Reasons for participation: Speaker
City of event: Barcelona, Spain
Date of event: 20/10/2016
End date: 20/10/2016
- 27 Title of the work:** Invited talk on 'Lifelogging, egocentric vision and health: how a small wearable camera can help me improve my health state' visiting the company Accenture Analytics on 16 of September 2016.
Reasons for participation: Speaker
City of event: SANT CUGAT, Spain
Date of event: 16/09/2016
End date: 16/09/2016



- 28** **Title of the work:** Invited talk at the Philology Faculty of the University of Barcelona on the 'Spring traditions and martenichki' in Bulgaria, 1st of March, 2016, Romanic Filology, UB.
Reasons for participation: Speaker
City of event: Barcelona, Spain
Date of event: 2016
End date: 2016
- 29** **Title of the work:** Invited as plenary speaker on 'Lifeloggging and egocentric vision'
Name of the event: International Conference on Machine Vision (ICMV'2015)
Reasons for participation: Speaker
City of event: Barcelona, Spain
Date of event: 2015
End date: 2015
- 30** **Title of the work:** 'Human body analysis in images: Towards human interaction',
Name of the event: Invited seminary
Reasons for participation: Upon invitation
City of event: Bulgarian Academy of Science, Bulgaria
Date of event: 27/03/2013
End date: 27/03/2013
- 31** **Title of the work:** Social sensors and Computer Vision
Name of the event: Invited conference organized by the Institute of Control and Systems, Bulgarian Academy of Science
Reasons for participation: Upon invitation
City of event: Sofia, Bulgaria
Date of event: 05/08/2010
End date: 05/08/2010
- 32** **Title of the work:** Diagnóstico de Imagen Médica. Aplicaciones de Visión por Computador
Name of the event: Ponente invitada a la Jornada dedicada a las Aplicaciones TIC y la Salud,
Type of event: Workshop
Reasons for participation: Speaker
City of event: Parc Científic i Tecnològic de Girona, Spain
Date of event: 13/05/2010
End date: 13/05/2010
- 33** **Title of the work:** Medical Imaging
Name of the event: Ponente invitada a la Escuela de Verano organizada por la Universidad de Viena
Reasons for participation: Upon invitation
City of event: Viena, Austria
Date of event: 07/07/2008
End date: 07/07/2008
- 34** **Title of the work:** Basic Model of Simulation of IVUS Data
Name of the event: Ponente invitada al Congreso Nacional de Física de Venezuela
Reasons for participation: Upon invitation
City of event: Mérida, Venezuela
Date of event: 07/03/2008
End date: 07/03/2008



- 35** **Title of the work:** Sparse Bayesian Feature Selection Applied to Intestinal Motility Analysis
Name of the event: Conferenciante invitada al Congreso de Bioingeniería de Argentina organizado por la Universidad de San Joan
Reasons for participation: Upon invitation
City of event: San Joan, Argentina
Date of event: 26/09/2007
End date: 26/09/2007
- 36** **Title of the work:** Deformable models
Name of the event: Conferenciante invitada al Congreso Internacional AMDO'06, Universidad de las Islas Baleares
Reasons for participation: Upon invitation
City of event: Andratx, Spain
Date of event: 14/07/2006
End date: 14/07/2006
- 37** **Title of the work:** Advances of Image Processing for Cardiology and Cardiosurgery
Name of the event: Ponencia invitada por Bulgarian Academy of Sciences
Reasons for participation: Upon invitation
City of event: Sofia, Bulgaria
Date of event: 10/08/2005
End date: 10/08/2005
- 38** **Title of the work:** Advanced Pattern Recognition and Medical Imaging. Application to Medical Imaging
Name of the event: Ponencia invitada por University of Wales
Reasons for participation: Upon invitation
City of event: Bangor,, United Kingdom
Date of event: 22/09/2004
End date: 22/09/2004
- 39** **Title of the work:** CorkInspect: una solución basada en la Visión Artificial para la inspección de tapones de corcho
Name of the event: Ponencia invitada a la Jornada del corcho organizada por la Camara de comercio industria, artesanato e agricultura
Type of event: Workshop
Reasons for participation: Upon invitation
City of event: Pavia, Italia, Spain
Date of event: 22/07/2004
End date: 22/07/2004
- 40** **Title of the work:** How Computer Vision can improve IVUS in their Daily Diagnostic and Therapeutic Activity
Name of the event: Ponencia Invitada por Boston Scientific
Reasons for participation: Upon invitation
City of event: Torina, Italia, Spain
Date of event: 07/05/2004
End date: 07/05/2004
- 41** **Title of the work:** Métodos de aprendizaje para la detección y clasificación de objetos en imágenes
Name of the event: Ponencia invitada por la Red temática de Reconocimiento de Formas y sus Aplicaciones
Reasons for participation: Upon invitation



City of event: Castellon, Spain

Date of event: 14/11/2003

End date: 14/11/2003

42 Title of the work: Aplicación de la Informática Gráfica al Estudio de Coronarias Cardíacas
Name of the event: Conferenciante invitada al Congreso Español de Informática Gráfica (CEIG)
Reasons for participation: Upon invitation
City of event: Universidad de Coruña, Spain
Date of event: 01/07/2003
End date: 01/07/2003

43 Title of the work: Modelos Deformables
Name of the event: Ponencia invitada
Reasons for participation: Upon invitation
City of event: Universidad de Santiago de Compostela, Spain
Date of event: 13/06/2002
End date: 13/06/2002

44 Title of the work: Reconstrucción de superficies a partir de nubes de puntos
Name of the event: Ponencia invitada en Escuela de verano
Reasons for participation: Upon invitation
City of event: Universidad de Santiago de Compostela, Spain
Date of event: 17/07/2001
End date: 17/07/2001

45 Title of the work: Visión por Computador en Imagen Médica
Name of the event: Ponencia invitada
Reasons for participation: Upon invitation
City of event: Escola d'Informàtica d'Andorra, Andorra
Date of event: 26/05/2000
End date: 26/05/2000

46 Title of the work: Introducciones a las aplicaciones de la Visión por Computador
Name of the event: Ponencia invitada
Reasons for participation: Upon invitation
City of event: Centro de Visión por Computador, Spain
Date of event: 27/11/1998
End date: 27/11/1998

47 Title of the work: Procesamiento digital de imágenes para aplicaciones físicas
Name of the event: Ponencia invitada
Reasons for participation: Upon invitation
City of event: Universitat de Lleida, Spain
Date of event: 31/03/1998
End date: 31/03/1998

48 Title of the work: Snakes Basados en Modelos. Aplicación en Análisis de Imágenes Médicas
Name of the event: Ponencia invitada
Reasons for participation: Upon invitation
City of event: Universidad de les Illes Balears, Spain
Date of event: 11/11/1997



End date: 11/11/1997

- 49 Title of the work:** Sistemas de Visión Artificial para la Industria
Name of the event: Ponencia invitada
Reasons for participation: Upon invitation
City of event: Dept. Informática, Spain
Date of event: 10/09/1992
End date: 10/09/1992

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1 Committee title:** Programme committee of CAIP'2015
Affiliation entity: International Association on Pattern Recognition
Start-End date: 2015 - 2015
- 2 Committee title:** Program committee of International Conference on Image Processing (ICIP'2014)
Affiliation entity: IEEE Signal Processing Society
Start-End date: 2014 - 2014
- 3 Committee title:** Member of the program committee of CCIA'2014
Affiliation entity: Atlante. Ciudades Atlánticas
Start-End date: 2014 - 2014
- 4 Committee title:** Area chair of CVPR'2014
Affiliation entity: IEEE Computer Society
Start-End date: 2014 - 2014
- 5 Committee title:** Reviewer of ECCV'2014
Affiliation entity: Association of Computing Machinery
Start-End date: 2014 - 2014
- 6 Committee title:** Special Session chair of ICME'2014
Affiliation entity: Association of Computing Machinery
Start-End date: 2014 - 2014
- 7 Committee title:** Program committee of 15th International Conference on CAIP'2013
Affiliation entity: International Association on Pattern Recognition
Start-End date: 01/01/2013 - 31/12/2013
- 8 Committee title:** Program committee of MCPR'2013
Affiliation entity: International Association on Pattern Recognition
Start-End date: 01/01/2013 - 31/12/2013
- 9 Committee title:** Member of program committee of Jornadas Chilenas de Computación
Affiliation entity: Consorcio Universidades del Norte de Chile
Start-End date: 2013 - 2013

- 10** **Committee title:** Member of program committee of MCPR'2013
Affiliation entity: International Association on Pattern Recognition
Start-End date: 2013 - 2013
- 11** **Committee title:** Program committee of AMDO'2012
Affiliation entity: International Association on Pattern Recognition
Start-End date: 01/01/2012 - 31/12/2012
- 12** **Committee title:** Program committee of CIARP'2012
Affiliation entity: International Association on Pattern Recognition
Start-End date: 01/01/2012 - 31/12/2012
- 13** **Committee title:** Chair and Program committee of MICCAI-STENT'2013
Affiliation entity: The MICCAI Society was formed as a non-profit corporation on July 29, 2004, pursuant to the provisions of the Minnesota Non-Profit Corporation Act, Minnesota Statute, Chapter 317A, with legally bound Articles of Incorporation and Bylaws. The official corporate name is The Medical Image Computing and Computer Assisted Intervention Society ("The MICCAI Society"). The organization was founded with a focused professional mission and with member enrollment and benefits.
Start-End date: 01/10/2012 - 01/10/2012
- 14** **Committee title:** Member of program committee of CIARP'2012
Affiliation entity: International Association on Pattern Recognition
Start-End date: 2012 - 2012
- 15** **Committee title:** Member of program committee of MICCAI-STENT'12
Affiliation entity: The MICCAI Society was formed as a non-profit corporation on July 29, 2004, pursuant to the provisions of the Minnesota Non-Profit Corporation Act, Minnesota Statute, Chapter 317A, with legally bound Articles of Incorporation and Bylaws. The official corporate name is The Medical Image Computing and Computer Assisted Intervention Society ("The MICCAI Society"). The organization was founded with a focused professional mission and with member enrollment and benefits.
Start-End date: 2012 - 2012
- 16** **Committee title:** Chair and program committee of MICCAI-CVII'2011
Affiliation entity: The MICCAI Society was formed as a non-profit corporation on July 29, 2004, pursuant to the provisions of the Minnesota Non-Profit Corporation Act, Minnesota Statute, Chapter 317A, with legally bound Articles of Incorporation and Bylaws. The official corporate name is The Medical Image Computing and Computer Assisted Intervention Society ("The MICCAI Society"). The organization was founded with a focused professional mission and with member enrollment and benefits.
Start-End date: 18/09/2011 - 18/09/2011
- 17** **Committee title:** Program committee of CAIP'2011
Affiliation entity: International Association on Pattern Recognition
Start-End date: 29/08/2011 - 31/08/2011
- 18** **Committee title:** Technical program committee of CAIP'2011
Affiliation entity: International Association on Pattern Recognition
Start-End date: 2011 - 2011
- 19** **Committee title:** Workshop on Human Interaction in Computer Vision HICV'2011
Affiliation entity: Association of Computing Machinery
Start-End date: 2011 - 2011



- 20** **Committee title:** Member of program committee of 1st IEEE Workshop on Information Theory in Computer Vision and Pattern Recognition – 2011
Affiliation entity: Association of Computing Machinery
Start-End date: 2011 - 2011
- 21** **Committee title:** Member of program committee of Jornadas Chilenas de Computación 2010
Affiliation entity: Consorcio Universidades del Norte de Chile
Start-End date: 2010 - 2010
- 22** **Committee title:** 2nd Mexican Conference on Pattern Recognition
Affiliation entity: International Association on Pattern Recognition
Start-End date: 2010 - 2010
- 23** **Committee title:** Member of program committee of 8th Cuban National Congress on Pattern Recognition (RECPAT'2010)
Affiliation entity: International Association on Pattern Recognition
Start-End date: 2010 - 2010
- 24** **Committee title:** PC member of ECCV'2010
Affiliation entity: Association of Computing Machinery
Start-End date: 2010 - 2010
- 25** **Committee title:** PC member of CVRR'2010
Affiliation entity: Association of Computing Machinery
Start-End date: 2010 - 2010
- 26** **Committee title:** Comité científico de CAIP'2009
Affiliation entity: Asociación Internacional de Reconocimiento de Patrones (IAPR)
Start-End date: 2009 - 2009
- 27** **Committee title:** Comité científico de MLDM'2009
Affiliation entity: IBal Leipzig
Start-End date: 2009 - 2009
- 28** **Committee title:** Chairwomen of CCIA'2009
Affiliation entity: Catalanian Association of Artificial Intelligence
Start-End date: 2009 - 2009
- 29** **Committee title:** Member of program committee of CIARP'2009
Affiliation entity: International Association on Pattern Recognition
Start-End date: 2009 - 2009
- 30** **Committee title:** 1st Mexican Workshop on Pattern Recognition 2009
Affiliation entity: International Association on Pattern Recognition
Start-End date: 2009 - 2009
- 31** **Committee title:** Comité de ICMLA'2008
Affiliation entity: Institute of Electrical and Electronics Engineers
Start-End date: 2008 - 2008



- 32** **Committee title:** Comité científico de IWCIA'08
Affiliation entity: State University of New York
Start-End date: 2008 - 2008
- 33** **Committee title:** Comité científico de CIARP'2008
Affiliation entity: Asociación Internacional de Reconocimiento de Patrones (IAPR)
Start-End date: 2008 - 2008
- 34** **Committee title:** Member of programme committee of CCIA'2008
Affiliation entity: Atlante. Ciudades Atlánticas
Start-End date: 2008 - 2008
- 35** **Committee title:** Member of program committee of CIARP'2008
Affiliation entity: International Association on Pattern Recognition
Start-End date: 2008 - 2008
- 36** **Committee title:** comité científico de visapp'2007
Affiliation entity: INSTICC
Start-End date: 2007 - 2007
- 37** **Committee title:** Member of Programme committee of CCIA'2007
Affiliation entity: Catalanian Association of Artificial Intelligence
Start-End date: 2007 - 2007
- 38** **Committee title:** Comité científico de AMDO'2006
Affiliation entity: Institute of Electrical and Electronics Engineers
Start-End date: 2006 - 2006
- 39** **Committee title:** Comité científico de MMBIA'2006
Affiliation entity: Elsevier Science Ltd.
Start-End date: 2006 - 2006
- 40** **Committee title:** Technical Program Committee
Affiliation entity: ACM
Start date: 01/01/2018
- 41** **Committee title:** Technicql Program Committee
Affiliation entity: Camara de Comercio y de Industria del país de Arles
Start date: 01/01/2018
- 42** **Committee title:** Member of the Associate professor Position committee,
Affiliation entity: Universitat de València Estudi General (UVEG)
Start date: 23/10/2017
- 43** **Committee title:** 17th International Conference on Computer analysis of Images and Patterns CAIP 2017 in Ystad, Sweden
Affiliation entity: International Association on Pattern Recognition
Start date: 22/08/2017



- 44** **Committee title:** Program Committee
Affiliation entity: ACM
Start date: 02/07/2017
- 45** **Committee title:** Evaluator
Affiliation entity: URV - Universitat Rovira i Virgili
Start date: 2017
- 46** **Committee title:** Technical Program Committee
Affiliation entity: IEEE Computer Society
Start date: 2017
- 47** **Committee title:** Member of the Program Committee of CCIA'17.
Affiliation entity: CAEPIA
Start date: 2017
- 48** **Committee title:** Program Committee of IBPRIA'17.
Affiliation entity: AERFAI
Start date: 2017
- 49** **Committee title:** Program committee of ICIAR'2017.
Affiliation entity: International Association on Pattern Recognition
Start date: 2017
- 50** **Committee title:** Reviewer of CVPR'2017.
Affiliation entity: IEEE Computer Society
Start date: 2017
- 51** **Committee title:** CompIMAGE'16 - Computational Modelling of Objects Presented in Images: Fundamentals, Methods, and Applications, which will be held Niagara Falls, NY, USA.
Affiliation entity: International Association on Pattern Recognition
Start date: 21/09/2016
- 52** **Committee title:** 7th Workshop on Machine Learning, Pattern Recognition and Applications (MLPRA), Innsbruck, Austria.
Affiliation entity: International Association on Pattern Recognition
Start date: 18/07/2016
- 53** **Committee title:** Editorial board member of Pattern Recognition Journal
Affiliation entity: International Association on Pattern Recognition
Start date: 2016
- 54** **Committee title:** Editorial board member of International Journal of Visual Communication and Image representation (Impact factor 1.9).
Affiliation entity: Elsevier B.V.
Start date: 2016
- 55** **Committee title:** Member of the Program Committee of IBPRIA'17.
Affiliation entity: International Association on Pattern Recognition
Start date: 2016



- 56** **Committee title:** Member of the Program Committee of CCIA'17.
Affiliation entity: Catalanian Association for Artificial Intelligence
Start date: 2016
- 57** **Committee title:** Member of the Program committee of ICIAR'2017
Affiliation entity: International Association on Pattern Recognition
Start date: 2016
- 58** **Committee title:** EPIC@ECCV16 Workshop.
Affiliation entity: ECCV
Start date: 2016
- 59** **Committee title:** 21st IberoAmerican Congress on Pattern Recognition (CIARP 2016).
Affiliation entity: Chilean Association for Pattern Recognition
Start date: 2016
- 60** **Committee title:** 2016 Asian Conference on Computer Vision (ACCV 2016).
Affiliation entity: Asian Conference on Computer Vision
Start date: 2016
- 61** **Committee title:** ACM Multimedia
Affiliation entity: ACM
Start date: 2016
- 62** **Committee title:** AMDO'2016.
Affiliation entity: International Association on Pattern Recognition
Start date: 2016
- 63** **Committee title:** CARS'2016.
Affiliation entity: The MICCAI Society was formed as a non-profit corporation on July 29, 2004, pursuant to the provisions of the Minnesota Non-Profit Corporation Act, Minnesota Statute, Chapter 317A, with legally bound Articles of Incorporation and Bylaws. The official corporate name is The Medical Image Computing and Computer Assisted Intervention Society ("The MICCAI Society"). The organization was founded with a focused professional mission and with member enrollment and benefits.
Start date: 2016
- 64** **Committee title:** ICIAR'2016
Affiliation entity: International Association on Pattern Recognition
Start date: 2016
- 65** **Committee title:** Comité de programa de ETFA 2009
Affiliation entity: Institute of Electrical and Electronics Engineers
Start date: 2009

Organization of R&D activities

- 1** **Title of the activity:** Computer Vision chapter at CAEPIA'18, Granada, Spain
Start date: 2018
- 2** **Title of the activity:** Organizing the 2nd Lifelogging Tools and Applications Workshop, ACM Multimedia, <http://lta2017.computing.dcu.ie/index.html>
Start date: 2017
- 3** **Title of the activity:** Organizing the 1st Social Signals and Beyond Workshop, ICIAP'2017, Catania, 11 of September, 2017. <http://www.ub.edu/cvub/SSPandBE/Committee.html>
Start date: 2017
- 4** **Title of the activity:** Organizer and co-chairwomen of 'Lifelogging Tools and Applications' Workshop
Start date: 2016
- 5** **Title of the activity:** International Conference on Computer Vision and Pattern Recognition
Start date: 2014
- 6** **Title of the activity:** International Conference on Pattern Recognition
Start date: 2014
- 7** **Title of the activity:** International Conference on Multimedia
Start date: 2014
- 8** **Title of the activity:** Joint MICCAI-Workshops on Computing and Visualization for Intravascular Imaging and Computer Assisted Stenting (CVII-STENT)
Start date: 2014
- 9** **Title of the activity:** MICCAI-STENT'2012
Start date: 2012
- 10** **Title of the activity:** Tutorial chair of the conference ISBI'2012
(<http://www.biomedicalimaging.org/2012/index.php/organization/organizing-committee>)
Start date: 2012
- 11** **Title of the activity:** Computing and Visualization of Intravascular Imaging
(<http://vpa.sabanciuniv.edu/sites/cvii2011/index.html>), a satellite workshop of MICCAI'2011 conference
(<http://www.miccai2011.org/>)
Start date: 2011
- 12** **Title of the activity:** Lumen + External Elastic Laminae (Vessel Inner and Outer Wall) Border Detection in IVUS Challenge(<http://www.cbl.uh.edu/challenges>)
Start date: 2011



- 13 Title of the activity:** Functional Imaging and Modelling of the Heart
Start date: 2005
- 14 Title of the activity:** Congrés Català d'Intel·ligència Artificial
Start date: 2005
- 15 Title of the activity:** Advanced Pattern Recognition and Medical Imaging (APRMI'05)
Start date: 2005
- 16 Title of the activity:** Congrés Català d'Intel·ligència Artificial
Start date: 2004

R&D management

- 1 Name of the activity:** Vice-chair of FET-OPEN - FETOPEN-01-2018-2019-2020: FET-Open Challenging Current Thinking.
Start date: 2018
- 2 Name of the activity:** Agencia Nacional de Promoción Científica y Tecnológica de Argentina
Start date: 2018
- 3 Name of the activity:** 'Ramon y Cajal' evaluation commission, UAB
Start date: 2018
- 4 Name of the activity:** Track 6: Biomedical Imaging and Bioinformatics for ICPR conference
Start date: 2018
- 5 Name of the activity:** Board of Directors (Consell de Direcció) of the Institute of Mathematics at the University of Barcelona (IMUB), field: Computer Science, 17.11.2017, Barcelona, Spain.
Start date: 2017
- 6 Name of the activity:** IAPR Fellow evaluation commission
Start date: 2017
- 7 Name of the activity:** Bulgarian Academy of Science scientific proposals
Start date: 2017
- 8 Name of the activity:** Evaluation Scientific-Technic Commission 'TECNOLOGÍAS INFORMÁTICAS (TIN)', Madrid, 27.10.2017.
Start date: 2017
- 9 Name of the activity:** Member of TIN'2017 projects evaluation commission.
Start date: 2017



- 10 Name of the activity:** Member of IAPR Fellow Awarding Committee
Start date: 2017
- 11 Name of the activity:** Member of Aurora Pons Porrata Awarding Committee
Start date: 2017
- 12 Name of the activity:** ICPR'2016, Cancun, Mexico.
Start date: 2016
- 13 Name of the activity:** One of the three founders of the spin-off 'Inspecta SL' aimed at developing Machine Vision systems for automatic inspection of corks. (Una de los tres fundadores de la empresa spin-off 'Inspecta S.L.' cuyo objetivo es el desarrollo de máquinas de Visión Artificial para la inspección automática de tapones de corcho.)
Start date: 2003
- 14 Name of the activity:** Member of the Committee of Heads of studies at the University of Barcelona, 2008 -. 'Image Processing and Artificial Intelligence' Unit Representative at the Academic Commission of Computer Engineering degree, 2000-2007. Coordinator of national mobility program within the program SICUE University of Barcelona, 2007 -. Tutorial Coordinator of Computer Engineering degree from the University of Barcelona, 2008 -. Tutor of a group of 20 first-year students of Computer Engineering, University of Barcelona, 2007 -. Member of the Faculty Board, Faculty of Mathematics, University of Barcelona, 2008 -. Member of the commission drafting the new curriculum of Computer Engineering, University of Barcelona, 28/11/2007-6/05/2009. It was one of the first degrees in Computer Engineering approved by the Council of Universities of the Ministry of Education and Science of Spain. Member of the project evaluation committee Thematic Area Electronics and Communications Technology, 2008. (Miembro de la Comisión de Jefes de estudios de la Universidad de Barcelona, 2008-. Representante de la Unidad de Procesamiento de Imágenes e Inteligencia Artificial en la Comisión de docencia de la titulación de Ingeniería Informática, 2000-2007. Coordinadora del programa de movilidad nacional dentro del programa SICUE de la Universidad de Barcelona, 2007-. Coordinadora del Plan de Acción Tutorial de la titulación de Ingeniería Informática de la Universidad de Barcelona, 2008-. Tutora de un grupo de 20 alumnos del primer curso de la Ingeniería Informática de la Universidad de Barcelona, 2007-. Miembro de la Junta de Facultad de la Facultad de Matemáticas de la Universidad de Barcelona, 2008-. Miembro de la comisión para la elaboración del nuevo plan de estudios del Grado en Ingeniería Informática de la Universidad de Barcelona, 28/11/2007-6/05/2009. Ha sido uno de los primeros Grados en Ingeniería Informática aprobados por el Consejo de Universidades del Ministerio de Educación y Ciencias de España. Miembro de la comisión de evaluación de proyectos del Área Temática de Tecnología Electrónica y Comunicaciones, 2008.)
- 15 Name of the activity:** Director of Research Consolidated Group 'Group of shape recognition and image analysis', SGR696, University of Barcelona, 2009-2014, financial subsidy: 45.760 Euros. Review officer of the National Institute of Health (NIH-USA), Netherlands Organisation for Scientific Research, MICINN, Aneca: 2007-2010, Xunta de Galicia, Research Council of Hong Kong, etc.. Ongoing reviewer of the journals IEEE Transactions on Medical Imaging, IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE Transactions on Information Technology in Transactions on Biomedicine, Pattern Recognition, Computer Methods and Programs in Biomedicine, Medical Image Analysis, International Journal of Cardiovascular Imaging, and so on. (Tramo de investigación estatal para el periodo 1998-2003 y dos tramos de investigación autonómicos para los periodos: 1992-1997 y 1998-2003. Directora del Grupo Consolidado de Investigación 'Grupo de reconocimiento de formas y análisis de imágenes' -SGR696, Universidad de Barcelona, 2009-2014, subvención económica: 45,760Euros. Evaluadora de National Institute of Health (NIH-USA), Netherlands Organisation for Scientific Research, MICINN, Aneca: 2007-2010, Xunta de Galicia, Research Council de Hong Kong, etc. Evaluadora permanente de las revistas IEEE Transactions on Medical Imaging, IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE Transactions on Transactions on Information Technology in BioMedicine, Pattern Recognition, Computer Methods and Programs in Biomedicine, Medical Image Analysis, International Journal of Cardiovascular Imaging, etc.)



- 16 Name of the activity:** Evaluator of FPU PhD Fellowship 2016 program of Ministry of Education, Culture and Sport.
- 17 Name of the activity:** Evaluator of Tromsø Research Foundation's Scientific Advisory Committee.

Other achievements

Stays in public or private R&D centres

- 1 Entity:** University of Otago
City of entity: Otago, New Zealand
Start date: 2019 **Duration:** 10 days
Goals of the stay: Guest
Provable tasks: Deep learning and egocentric vision
- 2 Entity:** Imperial College of London
City of entity: Londres, United Kingdom
Start date: 2004 **Duration:** 3 months
Goals of the stay: Post-doctoral
Provable tasks: Spectral and spatial analysis of SPAMM-MRI
- 3 Entity:** Universitat de Bangor
City of entity: Gales, United Kingdom
Start date: 2004 **Duration:** 3 months
Goals of the stay: Others (specify)
Provable tasks: Motility Grant to establish collaboration with Wales University, Bangor United Kingdom
- 4 Entity:** Centre de Visió per Computador
City of entity: Cerdanyola (Barcelona), Spain
Start date: 2004 **Duration:** 5 years
Goals of the stay: Post-doctoral
Provable tasks: Medical Image Analysis
- 5 Entity:** Barnesh-Jewish Hospital
City of entity: Saint Louis, United States of America
Start date: 1997 **Duration:** 8 months
Goals of the stay: Doctorate
Provable tasks: Tagged-MRI Image Analysis by Computer Vision
- 6 Entity:** Universitat de Limburgs
City of entity: Leuven, Belgium
Start date: 1996 **Duration:** 1 month
Goals of the stay: Doctorate
Provable tasks: Study on the relation between snakes and deformable models

- 7** **Entity:** Universitat de Yale, Departament de Radiologia
City of entity: New Haven, United States of America
Start date: 1995 **Duration:** 3 months
Goals of the stay: Doctorate
Provable tasks: Application of deformable models to images of tagged MRI
- 8** **Entity:** CEAB-CSIC
City of entity: Blanes (Girona), Spain
Start date: 1993 **Duration:** 3 years
Goals of the stay: Post-doctoral
Provable tasks: Computational Logics and Artificial Intelligence
- 9** **Entity:** Instituto de Matemáticas e Informática
City of entity: Sofia, Bulgaria
Start date: 1989 **Duration:** 1 year - 8 months
Goals of the stay: Doctorate
Provable tasks: Pattern recognition

Scientific societies and professional associations

Name of the society: Miembro de la Comisión del Plan de Estudios de Informática de la Universitat de Barcelona (UB) (Member of the comission responsable for elaborating the Study Plan of Computer Science at the University of Barcelona)
Affiliation entity: UB
Start-End date: 2007 - 2008

Prizes, mentions and distinctions

- 1** **Description:** I was appointed IAPR Fellow, on December 2016, during the 7th session of the International Association of Reconstruction of Patrons (IAPR). This nomination has been awarded for scientific merits in the field of computer vision, machine learning, medical image analysis and application of ICT in health. This prestigious recognition is awarded every two years so only 0.25% of the members of the IAPR organization highlight IAPR scientific contributions of outstanding value in the field of pattern recognition and machine learning.
Conferral date: 2016
- 2** **Description:** I received the International CIARP Award 'Aurora Pons Porrata' in recognition of outstanding technical contributions to the field of pattern recognition, data mining and related areas, 2016. This award was given at the CIARP'2016 in Lima Peru, 2016.
Conferral date: 2016
- 3** **Description:** Mention prize (II place) for our Application on Automatic Food Recognition for Healthy Habits Promotion in the DKV competence Health4Good <http://dkvseguros.com/almacen/health4good/agenda-health4good.pdf>.
Conferral date: 2016

Summary of other achievements

- 1** **Description of the achievement:** Acción formativa Mejora Competencial de la Gestión en RRHH, impartida en el Centro de Visión por Computador desde 15/06/2009 hasta 08/07/2009, 32 horas. (Formative action on Competency improvement in Management of Human resources), CVC, 32 hours.: Other courses
Conferral date: 08/07/2009
- 2** **Description of the achievement:** 3 Trams docents: 1991-2000, 2000-2005, 2005-2010: Teaching sections (five-year)
Accrediting entity: Ministeri d'Educació
Conferral date: 1991
- 3** **Description of the achievement:** Petia Radeva is an active member of many scientific program committees. She was local area chair of the most prestigious Computer Vision conference (CVPR'2014) and is program committee member of MICCAI'2015 the most prestigious medical imaging conference.
- 4** **Description of the achievement:** Lines of Activity: ;
- 5** **Description of the achievement:** Reviewer of: IEEE Transactions of Medical Imaging; IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE Transactions on Image Processing, TITBM, TBE, International Conference on Pattern Recognition 2000; Image Processing de International Association of Science and Technology for Development (IASTED), 2001, 2002, 2003, 2004, 2005; Medical Image Computing and Computer-Assisted Intervention (MICCAI), 2001; Simposium Nacional de AERFAI, (SNRFAI), Castellon, Spain, July 1997, 1999, 2001, 2003, etc. Transactions on Pattern Recognition and Image Analysis; Comisión Europea; ICIAR'2006, TELEHEALTH 2006.
- 6** **Description of the achievement:** Lines of Activity: ;
- 7** **Description of the achievement:** Chairman of: ICMV-2017, ICMV-2016, ICMV-2015, MICCAI-STENT'2013, CVII-MICCAI'2011, SABI'2007, FIMH2005, CCIA2004, CCIA2005, IAPR'2000, SNRFAI'2001; Invited speaker of CEIG'2003, etc.
- 8** **Description of the achievement:** Lines of Activity: ;
- 9** **Description of the achievement:** Lines of Activity: ;
- 10** **Description of the achievement:** Project management for technology transfer and cooperation agreements: I managed 33 technology transfer projects with national and international companies. Also, I'm leading 5 agreements with public and private institutions. (Dirección de proyectos de transferencia tecnológica y acuerdos de colaboración: He dirigido 33 proyectos de transferencia tecnológica con empresas nacionales e internacionales. Además, estoy llevando 5 acuerdos de colaboración con instituciones públicas y privadas.)

- 11 Description of the achievement:** 90 SCI indexed articles on Computer Vision, edition of 5 scientific books, 12 invited chapters, more than 300 articles in national and international publications, proceedings and books. (90 artículos con índice de impacto de Visión por Computador con índice de impacto; edición de 5 libros científicos, 12 capítulos invitados de libros, 300 artículos y publicaciones nacionales e internacionales.)
- 12 Description of the achievement:** Supervision of doctoral theses: directed 16 theses, 26 master's work, currently supervising 2 and co-supervising 5 doctoral theses. (Dirección de tesis doctorales: 16 tesis dirigidas, 26 trabajos de tesinas y masters, actualmente supervisando 2 y co-supervisando 5 trabajos doctorales.)
- 13 Description of the achievement:** Patents: 16 patents and 1 copyright.
- 14 Description of the achievement:** Participation in 28 PhD thesis committee
- 15 Description of the achievement:** Research stays in 7 research centers, 8 grants received to carry out research activities and facilitate visits to other countries, collaboration with research teams with international scientific prestige of the USA, Austria, UK, Belgium, Bulgaria, Greece, etc.. (Estancias en 7 centros de investigación, recibidas 8 becas y ayudas para llevar a cabo actividad investigadora y facilitar estancias en otros países, colaboración con equipos de investigación con prestigio científico internacional de USA, Austria, UK, Bélgica, Bulgaria, Grecia, etc.)
- 16 Description of the achievement:** Experience in organizing international and national scientific meetings (chairman of the International Congress LTA'2017, LTA'2016, CVII-MICCAI'2011, FIMH'2005, Program Committee of the Catalan Congress of Artificial Intelligence CCIA'2004, CCIA'2005, Member of Program Committee ICPR'2000, SNRFAI '1997, etc.). (Experiencia en organización de congresos científicos internacionales y nacionales (chairman del Congreso Internacional FIMH'2005, Program Committee del Congreso Catalán de Inteligencia Artificial CCIA'2004, CCIA'2005, Miembro del Program Committee ICPR'2000, SNRFAI'1997, etc.))
- 17 Description of the achievement:** Foundation Award of the TV3 Marathon 2007 for research projects on cardiovascular disease. 'Chronic total occlusions of coronary arteries of humans: from pathophysiology to clinical implications of successful recanalization by percutania coronary intervention'. Financing is valued at more than 300,000 euros. (Premio de la Fundación de la Marató de TV3 2007 para proyectos de investigación sobre enfermedades cardiovasculares. 'Oclusiones totales crónicas de arterias coronarias de humanos: desde la fisiopatología a las implicaciones clínicas de recanalización con éxito mediante intervención coronaria percutania'. Financiación está valorada en más de 300.000 euros.)
- 18 Description of the achievement:** Awards: Finalist in Entrepreneur Contest @ 2001 promoted by the Secretariat for the Information Society and the sponsor of Ericsson Innova and Retevisión Foundation (Premios: Finalista en el Concurso de Emprendedores @ 2001 promovido por la Secretaría por la Sociedad de la Información y con el patrocinador de Ericsson Innova y Fundación Retevisión)
- 19 Description of the achievement:** Extensive experience in teaching in subjects of 1st, 2nd and 3rd cycle of Computer Science study (Amplia experiencia en docencia en asignaturas de 1r, 2ndo y 3r ciclo) Currently I'm giving classes in 2 Master programs: a) Interuniversity Master program on Artificial Intelligence between University of Barcelona, Politecnical University of Catalonia and University Rovira i Virgili, Tarragona, Spain, subject Computer Vision. b) Master program on Bioengineering of the University of Barcelona, Subject: Advanced Medical Imaging.

20 Description of the achievement: Academic Coordinator: Head of Studies of Computer Engineering degree at UB (2009-2013). I have also been: - Representant of the Department in the Teaching Commission of the ETSE, UAB, - Member of the pilot project for the implementation of Bologna in ETSE, UAB, - Responsible for ERASMUS Dpt. CC, UAB, - Member of the Computer Science Curriculum Committee UB. (Gestión académica: Jefa de estudios de la titulación de Ingeniería Informática de la UB durante 2009-2013. Además he sido: - responsable del Departamento en la Comisión de Docencia de la ETSE, UAB, - responsable de la prueba piloto para la implantación del proyecto de Bolonia en la ETSE; UAB, - responsable de Erasmus en el Dpt. CC, UAB, - miembro de la Comisión del Plan de Estudios de Informática-UB.)

21 Description of the achievement: Teaching improvement courses (9), etc. 1. ICE, Universidad de Barcelona, Control de las emociones en el aula, 9 horas, 8-10 de Enero, 2008.2. IDES, Universidad Autónoma de Barcelona, Campus virtual, 6 horas, Febrero, 2004.3. IDES, Universidad Autónoma de Barcelona, La dirección de equipos de trabajo a la universidad contemporánea. Consideraciones e instrumentación a la práctica creadora, 8 horas, Febrero, 2004.4. IDES, Universidad Autónoma de Barcelona, Competencias curriculares, 3 horas, Febrero, 2004.5. IDES, Universidad Autónoma de Barcelona, Resolver problemas para aprender ciencias, 15 horas, Febrero, 2004.6. IDES, Universidad Autónoma de Barcelona, El aprendizaje por problemas y el espacio europeo de educación superior, 15 horas, Julio, 2004.7. IDES, Universidad Autónoma de Barcelona, La evaluación por portfolio, 6 horas, Julio, 2004.8. CIARP 2004, Puebla Méjico, Multiple Classifier Fusion, tutorial, 26 de Octubre de 2004.9. PCR Euro, Paris, Francia, The Paris Course on Revascularization, 22 de Mayo de 2001.

22 Description of the achievement: Currently, member of the following Program committee: a. 2nd International Conference on Computer Vision Theory and Applications 8-11 March, 2007, Barcelona, Spain b. IASTED International Conference on Visualization, Imaging and Image Processing (VIIP 2007), August 29-31 in Palma de Mallorca (Spain) c. IASTED International Conference on Signal and Image Processing (SIP 2007), August 20-22, Honolulu, Hawaii d. The 6th IEEE International Conference on Machine Learning and Applications (ICMLA 2007), Cincinnati, Ohio, USA, December 13-15, 2007 e. The 7th IEEE International Symposium on Signal Processing and Information Technology, December 15-18, 2007, Cairo, Egypt f. 11th IEEE International Conference on Computer Vision ICCV 2007, 14-21 October 2007, Rio de Janeiro, Brazil g. IASTED International Conference on Visualization, Imaging and Image Processing (VIIP 2007) h. Workshop on ENSEMBLE METHODS AND THEIR APPLICATIONS, 3rd Iberian Conference on Pattern Recognition and Image Analysis (IbPRIA'2007), June 6-8, Girona, Spain, 2007 i. IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Minneapolis, USA, June 18th-23rd, 2007 j. Intern. Workshop: Online Pattern Recognition and Machine Learning, Techniques for Computer-Vision Applications, Island of Madeira, Portugal, in conjunction with the VISAPP 2008 conference, 22-25 January, 2008, Date: 22 January, 2008 k. The 10th IASTED International Conference on Signal and Image Processing, SIP 2008, August 18-20, 2008, Kailua-Kona, Hawaii, USA l. IEEE Conference on Computer Vision and Pattern Recognition Program Committee, which will be held June 24-26, 2008 in Anchorage (USA) m. AMDO 2008 International Conference on Articulated Motion and Deformable Objects, Puerto Andratx, Mallorca, Spain, 9-11 July, 2008 n. 12th International Workshop on Combinatorial Image Analysis (IWCIA'2008), 7-9 April, 2008

23 Description of the achievement: (Accreditation of the Catalan Quality Agency of the Catalan University System (AQU) for full professor issued from February 8, 2006, for Full Professor of Aneca since June 2010, assistant professor from April 27, 2004, Postdoc professor from August 4, 2003 and an associate professor since August 4, 2003. Two positive evaluations of research issued to Associate Professor since April 29, 2004, and 2010, from Aneca. (Acreditación de la Agencia de Calidad del Sistema Universitario de Cataluña (AQU) para la Catedrática contratada desde 8 de Febrero de 2006, de Catedrática por Aneca desde Junio 2010, de Profesora agregada (equivalente a Contratada doctora) desde 27 de Abril de 2004, Profesora lectora desde 4 de Agosto de 2003 y de Profesora colaboradora desde 4 de Agosto de 2003. Evaluación positiva de la actividad docente e investigadora a los efectos de que pueda ser contratada para Profesora contratada doctora desde 29 de Abril de 2004, por Aneca.)

24 Description of the achievement: Head of Studies in Computer Engineering (2008-2012) - University of Barcelona My goal is to coordinate and ensure implementation of academic activities of teachers and students according to the syllabus of the degree, coordinate the development of new curriculum of Computer Engineering, coordinate its implementation restructuring the career of Computer Engineering Superior

Engineering systems under the guidance of the new European Higher Education Area, coordinate the activities targeting current and future students, etc.. (Jefa de estudios en Ingeniería Informática (2008-2012) - Universidad de Barcelona Mi objetivo es coordinar y velar por la ejecución de las actividades académicas de profesores y alumnos según el Plan Docente de la titulación; coordinar la elaboración del nuevo plan de estudios de la Ingeniería Informática; coordinar su implantación reestructurando la carrera de Ingeniería Técnica de Informática de Sistemas a Ingeniería Informática Superior bajo las directrices del nuevo Espacio Europeo de Educación Superior; coordinar las actividades de orientación de alumnos actuales y futuros, etc.)

- 25 Description of the achievement:** Member of the Commission 15/09/2003-15/09/2004 DURSI Pilot Autonomous University of Barcelona, Adaptation of Computer Science studies within the European Superior.etc Education. (Miembro de la Comisión Piloto de DURSI 15/09/2003-15/09/2004, Universidad Autónoma de Barcelona, Adaptación de los estudios de la Ingeniería Informática dentro del Espacio Europeo de la Enseñanza Superior.)
- 26 Description of the achievement:** Approvement for the body of Full University Professors of the domain of Computer Science and Artificial Intelligence, from July 1, 2010. Approvement for the body of Associate professors in the area of Computer Science and Artificial Intelligence, from July 21, 2005. Approvement for the body of Associate professors in the area of Languages and Systems of June 15, 2005. (Habilitaciones para el cuerpo de Catedráticos de Universidad del área de conocimiento de Ciencia de la computación e inteligencia artificial, desde 1 de Julio de 2010. Habilitaciones para el cuerpo de Titulares de Universidad del área de conocimiento de Ciencia de la computación e inteligencia artificial, desde 21 de Julio de 2005. Habilitaciones para el cuerpo de Titulares de Universidad del área de conocimiento de Lenguajes y sistemas informáticos del 15 de Junio de 2005.)
- 27 Description of the achievement:** Award 'Antoni Caparrós' to the best technology transfer project of the Universitat de Barcelona for the project: "Computer Vision methods to assist the treatment of atherosclerotic plaque".
- 28 Description of the achievement:** 'Ramon i Cajal' grant received 2004 by Ministry of Science and Innovation, Spain.
- 29 Description of the achievement:** Reviewer of: IEEE Trans.TMI, IEEE Trans. PAMI, IEEE Trans. IP, TITB, TBE, MedIA, PR, PRL, CVIU, etc. Chair of 2 conferences, 3 workshops of MICCAI, editor of 2 Special issues.
- 30 Description of the achievement:**

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Scientific , one of the world's leading companies specializing in developing and supplying devices for diagnosis and treatment of diseases in various fields of medicine.

- 31 Description of the achievement:** Member of the program committee of many conferences like: AMDO'2012 CAIP'2009, CAIP'2011, CAIP'2013, CCIA'2007, CCIA'2008, CCIA'2014, CIARP'2006, CIARP'2012, CIARP'2014, CIARP'2008, CIARP'2009, CAIP'2015, CVPR4HB'09, HICV'2011
 - 32 Description of the achievement:** Member of program committee of: IbPRIA'2015, IWITINCVPR'2011, JCC'2010, JCC'2013, JCC'2014, MCPR'2010, MCPR'2013, MICCAI-STENT'2013, MICCAI-STENT'2011, MICCAI-STENT'2012, MWPR'2009, RECPAT'2010, FIMH'2005, CCIA'2004, CCIA'2005, ICPR'2000, SNRFAI '1997, Chairman of FIMH'2005, , CAIPCVII-MICCAI'2011, SABI'2007, SNRFAI'2001.
 - 33 Description of the achievement:** <h2 id='post-762' class='post-title' style='line-height: 29.183998107910156px; font-family: 'Times New Roman', Times, serif; font-size: 2em; font-weight: normal; margin: 0px; border-bottom-width: 1px; border-bottom-style: solid; border-bottom-color: #cccccc; padding: 0px 0px 0.1em; color: #545454; '>Premio a Misael Rosales</h2> Premio al Mejor Trabajo Científico en Ciencias Exactas y Naturales a Dr. Misael Rosales por el trabajo "Modeling of Catheter Motion for 3-D IVUS" por la Gobernación del Estado de Mérida y la Unidad Teritorial del Ministerio del Poder Popular para Ciencia, Tecnología e Innovación en Mérida, Venezuela.
 - 34 Description of the achievement:** Petia Radeva has been the honorable chair of ICMV 2014, and invited speaker at AMDO'2014, CAIP'2015, CEIG'2003, etc.
 - 35 Description of the achievement:** <h2 id='post-752' class='post-title' style='line-height: 29.183998107910156px; font-family: 'Times New Roman', Times, serif; font-size: 2em; font-weight: normal; margin: 0px; border-bottom-width: 1px; border-bottom-style: solid; border-bottom-color: #cccccc; padding: 0px 0px 0.1em; color: #545454; '>Accésit a Francesco Ciompi</h2> El 6 de Junio, 2013 se anunció en la Asamblea General de AERFAI que tuvo lugar en Funchal, Madeira (Portugal) el Premio AERFAI a la mejor tesis doctoral. El accésit ha sido asignado a Francesco Ciompi, por la tesis: "Multi-Class Learning for Vessel Characterization in Intravascular Ultra-sound" supervisada por: Petia Radeva y Oriol Pujol.
 - 36 Description of the achievement:** <h2 id='post-739' class='post-title' style='line-height: 29.183998107910156px; font-family: 'Times New Roman', Times, serif; font-size: 2em; font-weight: normal; margin: 0px; border-bottom-width: 1px; border-bottom-style: solid; border-bottom-color: #cccccc; padding: 0px 0px 0.1em; color: #545454; '>Best Poster Award at MVA 2013</h2> The paper "Gradient Histogram Background Modeling for People Detection in Stationary Camera Environments", by V.Borjas, J.Vitrià and P.Radeva received the Best Poster Award at the 13th IAPR Conference on Machine Vision Applications, Japan, 2013.
 - 37 Description of the achievement:** Petia Radeva is Associate editor of Pattern Recognition, Elsevier journal with 4.582 impact factor.
 - 38 Description of the achievement:** Petia Radeva is Associate editor of International Journal of Visual Communication and Image Representation, Elsevier journal with 2.164 impact factor.
 - 39 Description of the achievement:** Our paper: 'Recognizing Activities of Daily Living from Egocentric Images.' by Alejandro Cartas, Juan Marin, Petia Radeva and Mariella Dimiccoli got the best paper award at IBPRIA'2017!