

Research Activity 2018



INDEX

1.	Research Personnel.....	3
1.1	Composition.....	3
1.2	SGR Groups –.....	4
2.	Competitive Projects.....	5
2.1	Awarded in 2018.....	5
2.2	In execution in 2018.....	7
3.	Human Resources Grants.....	10
3.1	Awarded in 2018.....	10
3.2	In execution in 2018.....	11
4.	PhD Thesis.....	14
5.	Master thesis and Master projects.....	15
6.	Research stays.....	16
6.1	Outgoing Research stays.....	16
6.2	Incoming Research stays and Internships.....	17
7.	Invited Talks by CVC personnel.....	20
8.	Invited Talks at CVC.....	30
9.	Publications.....	31
10.1	Books (6).....	31
10.2	Book Chapter (11).....	31
10.3	Journals with Impact Factor (54).....	32
10.4	Journals (4).....	36
10.5	International Conferences (66).....	36
10.6	Miscellanea (18).....	42
10.	Chairships and Organization of Conferences, Workshops and other research and dissemination activities....	45
11.	Awards.....	50
12.	Editorship.....	51
13.	Service to the Community.....	52

0. Summary

RESEARCH PERSONNEL	
Postdoc Researchers	40
PhD students	53
COMPETITIVE PROJECTS	
New projects awarded In 2018	
• R+D Projects	8
• Other grants	2
In execution – awarded In previous years	
• R+D Projects	13
• Participation in external projects	3
HUMAN RESOURCES GRANTS	
New grants awarded In 2018	
• Postdoc positions	2
• Predoc positions	3
In execution – awarded In previous years	
• Postdoc positions	7
• Predoc positions	11
PHD THESIS	4
MASTER THESIS	9
RESEARCH STAYS OUTGOING	13
RESEARCH STAYS INCOMING AND INTERNSHIPS	45
INVITED TALKS BY CVC PERSONNEL	
• In scientific conferences and workshops	12
• In courses and tutorials	21
• In other events	44
INVITED TALKS AT CVC	8
PUBLICATIONS	
• Books	6
• Book Chapters	11
• Journals with Impact Factor	54
• Journals	4
• International Conferences	66
• Miscellanea	18
OTHER RESEARCH AND DISSEMINATION ACTIVITIES	34
AWARDS	6
EDITORSHIPS	19

1. Research Personnel

1.1 Composition

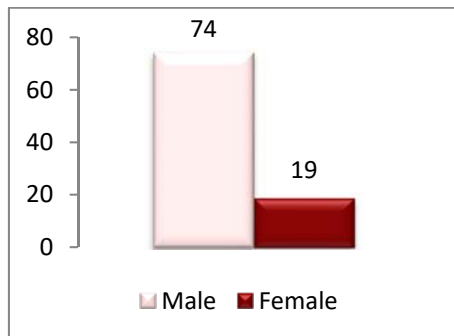
As of 31 December 2018, CVC personnel who perform research activities are composed by:

POST-DOC RESEARCHERS (40):

- **Permanent (21):** including 4 senior researchers contracted by CVC and also 15 university professors from UAB and UB.
- **Postdoc contracts (19):** including Ramón y Cajal, Marie Curie and Tecniosprings fellows, as well as those hired by the CVC and the UAB and UB universities.

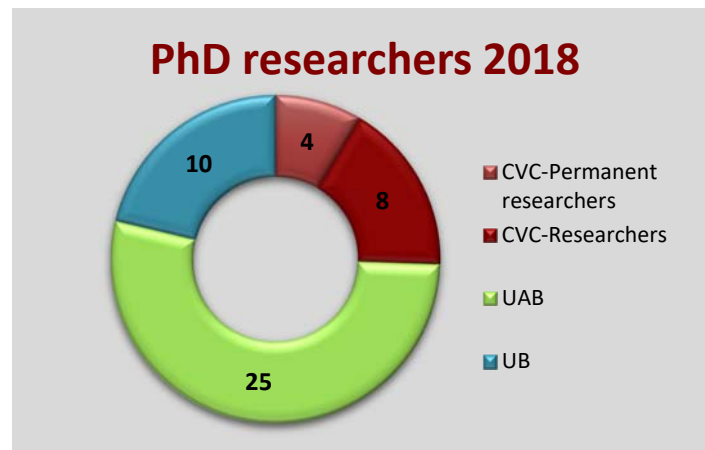
PHD. STUDENTS (53): It includes any PhD student with a scholarship (CVC, UAB, FPI, DI, FI or FPU) or a contract as an assistant at the UAB and UB.

RESEARCHER PROFILE:



Profile researcher:

- Associate professor
- 45 years old
- h-index: 20



1.2 SGR Groups –

All researchers in CVC are members of a recognized research group (SGR), distinction given by the Generalitat de Catalunya:

TITLE: *Learning and Machine Perception (LAMP)*
REFERENCE: 2017 SGR 649
FUNDING ENTITY: AGAUR
DURATION: 01/01/2017 – 31/12/2020
TOTAL AWARDED: 15.000,00 €
PRINCIPAL INVESTIGATOR: **Dr. Joost van de Weijer**

TITLE: *Image Sequence Evaluation (ISE Lab)*
REFERENCE: 2017 SGR 1669
FUNDING ENTITY: AGAUR
DURATION: 01/01/2017 – 31/12/2020
TOTAL AWARDED: 10.000,00 €
PRINCIPAL INVESTIGATOR: **Dr. Jorge Bernal**

TITLE: *Intelligent Reading Systems*
REFERENCE: 2017 SGR 1783
FUNDING ENTITY: AGAUR
DURATION: 01/01/2017 – 31/12/2020
TOTAL AWARDED: 36.000,00 €
PRINCIPAL INVESTIGATOR: **Dr. Josep Lladós**

TITLE: *ACDC – Automated and Cooperative Driving in the City*
REFERENCE: 2017 SGR 1597
FUNDING ENTITY: AGAUR
DURATION: 01/01/2017 – 31/12/2020
PRINCIPAL INVESTIGATOR: **Dr. Antonio M. López**

TITLE: *Multispectral Image Analysis and Understanding*
REFERENCE: 2017 SGR 1183
FUNDING ENTITY: AGAUR
DURATION: 01/01/2017 – 31/12/2020
PRINCIPAL INVESTIGATOR: **Dr. Daniel Ponsa**

TITLE: *Microelectronic Technology Applied to Cyber-Physical Systems and Biomedical Image Processing*
REFERENCE: 2017 SGR 1624
FUNDING ENTITY: AGAUR
DURATION: 01/01/2017 – 31/12/2020
PRINCIPAL INVESTIGATOR: Dr. Lluís Terés (CNM) / **Dr. Debora Gil (CVC)**

2. Competitive Projects

2.1 Awarded in 2018

2.1.1 R+D Projects

TITLE: *DANA - Developing Autonomous Navigation Agents*

REFERENCE: TIN2017-88709-R

FUNDING ENTITY: Ministerio de Ciència, Innovación y Universidades

DURATION: 2018-2020

TOTAL AWARDED: 117.370,00 €

PRINCIPAL INVESTIGATOR: **Dr. Antonio M. López / Dr. José Antonio Iglesias**

TITLE: *ViBra - Deep Networks in the Visual Brain: from Measurements to Algorithms*

REFERENCE: DPI2017-89867-C2-1-R

FUNDING ENTITY: Ministerio de Ciència, Innovación y Universidades

DURATION: 2018-2020

TOTAL AWARDED: 102.850,00 €

PRINCIPAL INVESTIGATOR: **Dr. Xavier Otazu / Dr. C. Alejandro Párraga**

TITLE: *READS - Reading the Scene: Integrating reading systems in holistic scene*

REFERENCE: TIN2017-89779-P

FUNDING ENTITY: Ministerio de Ciència, Innovación y Universidades

DURATION: 2018-2020

TOTAL AWARDED: 81.554,00 €

PRINCIPAL INVESTIGATOR: **Dr. Dimosthenis Karatzas / Dr. Ernest Valveny**

TITLE: *BOSS - Building Optimized Spectro-Selective Systems: Generation of multispectral vision systems optimized through machine learning*

REFERENCE: TIN2017-89723-P

FUNDING ENTITY: Ministerio de Ciència, Innovación y Universidades

DURATION: 2018-2020

TOTAL AWARDED: 53.119,00 €

PRINCIPAL INVESTIGATOR: **Dr. Felipe Lumbreras / Dr. Daniel Ponsa**

TITLE: *Projecte de visió per computador imatges (esports i festes populars)*

REFERENCE: Núm. Exp. CLT923/18/00044

FUNDING ENTITY: GENERALITAT DE CATALUNYA

DURATION: 2018

TOTAL AWARDED: 10.000,00 €

PRINCIPAL INVESTIGATOR: **Dr. Josep Lladós**

European projects:

TITLE: *VALIDITHI: Validation of an Innovative Dietary Intake Tool for Healthcare Implementation*

REFERENCE: 19178

FUNDING ENTITY: EIT Health

DURATION: 2019-2020

TOTAL AWARDED: 120.268,00 € (Total awarded to the consortium: 2.274.940,00 €)

CVC PRINCIPAL INVESTIGATOR: **Dr. Petia Radeva**

TITLE: *Time Machine*

REFERENCE: 820323

FUNDING ENTITY: European Commission

DURATION: 2019-2020

TOTAL AWARDED: 14.016,00 € (Total awarded to the consortium: 997.930,00 €)

CVC PRINCIPAL INVESTIGATOR: **Dr. Josep Lladós**

TITLE: *DECRYPT: Decryption of historical manuscripts*

REFERENCE: 19710521

FUNDING ENTITY: Swedish Research Council

DURATION: 2019-2024

TOTAL AWARDED: 250.000,00 € (Total awarded to the consortium: 2.738.854,00 €)

CVC PRINCIPAL INVESTIGATOR: **Dr. Alicia Fornés**

2.1.2 Other grants

TITLE: *Reflexió Palau Macaya*

FUNDING ENTITY: FUNDACIÓ LA CAIXA

DURATION: 01/09/2018 – 30/06/2019

PRINCIPAL INVESTIGATOR: **Alexandra Canet**

TITLE: *Library Living Lab: experimentar la Inteligencia Artificial*

REFERENCE: FCT-17-12879

FUNDING ENTITY: FECYT

DURATION: 01/01/2018 – 31/03/2019

PRINCIPAL INVESTIGATORS: **Meritxell Bassolas – Alexandra Canet**

2.2. In execution in 2018

2.2.1 R+D projects

National projects:

TITLE: *Fire DMMI - Detección y Monitoreo de Incendios usando Imágenes Multiespectrales*

REFERENCE: TIN2014-56919-C3-R

FUNDING ENTITY: Ministerio de Economía y Competitividad

DURATION: 2015-2018

TOTAL AWARDED: 82.643,00 €

PRINCIPAL INVESTIGATOR: **Dr. Angel Sappa / Dr. Felipe Lumbreras**

TITLE: *MILE-TRANS, Estudio de las propiedades intrínsecas que permitan minimizar efectos de iluminación en sistemas inteligentes de transporte basados en visión*

REFERENCE: TIN2014-61068-R

FUNDING ENTITY: Ministerio de Economía y Competitividad

DURATION: 2015-2018

TOTAL AWARDED: 114.345,00 €

PRINCIPAL INVESTIGATOR: **Dr. Maria Vanrell / Dr. Robert Benavente**

TITLE: *iVENDIS - Intelligent in-Vivo Endoscopic Diagnosis and Intervention Support Systems*

REFERENCE: DPI2015-65286-R

FUNDING ENTITY: MINECO

DURATION: 2016-2018

TOTAL AWARDED: 173.877,00 €

PRINCIPAL INVESTIGATOR: **Dr. Debora Gil / Dr. Jorge Bernal**

TITLE: *CONCORDIA - Contextualización de contenidos en el reconocimiento de imágenes de documentos de archivos*

REFERENCE: TIN2015-70924-C2-2-R

FUNDING ENTITY: MINECO

DURATION: 2016-2018

TOTAL AWARDED: 86.394,00€

PRINCIPAL INVESTIGATOR: **Dr. Josep Lladós / Dr. Alicia Fornés**

TITLE: *PERIPHAS - Cuando una imagen vale más que 140 caracteres: anotación automática de imágenes a partir del contenido visual compartido en redes sociales*

REFERENCE: TIN2015-65464-R

FUNDING ENTITY: MINECO

DURATION: 2016-2019

TOTAL AWARDED: 144.466,00 €

PRINCIPAL INVESTIGATOR: **Dr. Jordi González / Dr. Xavier Roca**

TITLE: *Representación continua multi-modal y multi-idioma para la comprensión del lenguaje humano / M2CR / CHIST ERA II 2015*

REFERENCE: PCIN-2015-251

FUNDING ENTITY: MINECO

DURATION: 2016-2018

TOTAL AWARDED: 88.000,00 €

PRINCIPAL INVESTIGATOR: **Dr. Joost van de Weijer**

TITLE: *Deep Multi-Task Learning for object Recognition*
REFERENCE: TIN2016-79717-R
FUNDING ENTITY: MINECO
DURATION: 2016-2019
TOTAL AWARDED: 39.446,00 €
PRINCIPAL INVESTIGATOR: **Dr. Joost van de Weijer / Dr. Bogdan Raducanu**

TITLE: *XARXES: Tecnologia i innovació ciutadana en la construcció de xarxes socials històriques per a la comprensió del llegat demogràfic*
REFERENCE: RECERCAIXA 2016
FUNDING ENTITY: ACUP/Obra Social La Caixa
DURATION: 15/02/2017 – 14/02/2019
TOTAL AWARDED: 49.324,57 €
PRINCIPAL INVESTIGATORS: **Dr. Alicia Fornés**

TITLE: *"Enseñando a mi Coche a Conducir" - Conducción Autónoma mediante Representaciones de Entrada-Salida.*
REFERENCE: SPIP2017-02237
FUNDING ENTITY: DGT
DURATION: 01/04/2017 – 31/03/2018
TOTAL AWARDED: 49.857,50 €
PRINCIPAL INVESTIGATORS: **Dr. Antonio M. López**

TITLE: *aBSINTHE: Búsqueda Semántica de ImágeNes y Texto en HEmerotecas digitales*
REFERENCE: Fundació BBVA 2017
FUNDING ENTITY: BBVA
DURATION: 30/11/2017 – 29/11/2019
TOTAL AWARDED: 74.526,00 €
PRINCIPAL INVESTIGATORS: **Dr. Marçal Rusiñol**

European projects:

TITLE: *The European Network on Integrating Vision and Language (iV&L Net): Combining Computer Vision and Language Processing for Advanced Search, Retrieval, Annotation and Description of Visual Data*
REFERENCE: IC 1307
FUNDING ENTITY: COST
DURATION: 2014-2018
RESEARCHERS: **Dr. Jordi González & Dr. Sergio Escalera**

TITLE: *SEE.4C: SpatiotEmporal ForEcasting: Coopetition to meet Current Cross-modal Challenges*
REFERENCE: 688356
FUNDING ENTITY: European Commission
DURATION: 2016-2018
TOTAL AWARDED: 67.362,50 € (Total awarded to the consortium: 760.806,25 €)
CVC PRINCIPAL INVESTIGATOR: **Dr. Sergio Escalera**

TITLE: *CybsPEED: Cyber-Physical Systems for PEdagogical Rehabilitation in Special Education*
REFERENCE: 777720
FUNDING ENTITY: European Commission
DURATION: 2017-2021
TOTAL AWARDED: 18.000,00 € (Total awarded to the consortium: 1.296.000,00 €)
CVC PRINCIPAL INVESTIGATOR: **Dr. Bogdan Raducanu**

Participation in external projects:

TITLE: *Red Temática en Vehículos Inteligentes (Retevi)*
REFERENCE: TRA2017-90620-REDT
FUNDING ENTITY: Ministerio de Ciencia, Innovación y Universidades
DURATION: 01/07/2018-30/06/2020
TOTAL AWARDED: 9.000 €
PRINCIPAL INVESTIGATOR: Dr. Felipe Jiménez (UPM)
RESEARCH TEAM MEMBERS: **Dr. Antonio M. López**

TITLE: *Validación clínica del primer sistema in-vivo de predicción histológica automática de los pólipos de colon integrando la visión del endoscopista con la visión por computador (HISINVIA)*
REFERENCE: PI17/00894
FUNDING ENTITY: Instituto de Salud Carlos III
DURATION: 01/01/2018-31/12/2020
TOTAL AWARDED: 117.370 €
PRINCIPAL INVESTIGATOR: Dr. Maria Gloria Fernández Esparrach (IDIBAPS)
RESEARCH TEAM MEMBERS: **Dr. Jorge Bernal** and **Dr. F. Javier Sánchez**

TITLE: *Red temática Iberoamericana sobre aplicaciones TICS para ciudades inteligentes (TICs4CI)*
REFERENCE: P517RT0176
FUNDING ENTITY: CYTED – Ciencia y Tecnología para el Desarrollo
DURATION: 01/01/2018-31/12/2021
TOTAL AWARDED: 117.370 €
PRINCIPAL INVESTIGATOR: **Dr. Angel Sappa**
RESEARCH TEAM MEMBERS: **Dr. Bogdan Raducanu** (CVC IP), **Dr. Joost van de Weijer**, **Dr. Luis Herranz**, **Dr. Alejandro Parraga**

3. Human Resources Grants

3.1 Awarded in 2018

Post-doc grants:

TITLE: *DeepPhotoArchive: Deep Learning tech to enrich photo archives access*
REFERENCE: TECSPR17-1-0026
FUNDING ENTITY: ACCIÓ
DURATION: 08/02/2018 – 07/02/2021
HOLDER: Dr. Lluís Gómez

TITLE: *iOr_LUNC: Intel Operating Room for in vivo lung cancer diagnosis*
REFERENCE: TECSPR17-1-0045
FUNDING ENTITY: ACCIÓ
DURATION: 17/09/2018 – 16/09/2020
HOLDER: Dr. Carles Sánchez

Pre-doc grants:

TITLE: *Object detection in multimodal data* (Industrial Doctorate with Ficosa and UAB)
REFERENCE: 2017 DI 096
FUNDING ENTITY: AGAUR
DURATION: 08/02/2018 – 07/02/2021
HOLDER: Yalnuvis Socarras
ADVISOR: Dr. Aura Hernández

TITLE: *FI - Ajuts per a la contractació de personal investigador novell*
REFERENCE: 2018 FI_B 00546
FUNDING ENTITY: AGAUR
DURATION: 01/04/2018 – 30/03/2021
HOLDER: Arnau Baró
ADVISOR: Dr. Alicia Fornés

TITLE: *NAVER - Semantic segmentation-based approach for text detection and recognition in natural images*
FUNDING ENTITY: NAVERLABS
DURATION: 16/09/2018-16/11/2018
HOLDER: Dena Bazazian
ADVISOR: Dr. Dimosthenis Karatzas

3.2 In execution in 2018

Post-doc grants:

TITLE: *P-Sphere Program*
FUNDING ENTITY: UAB-Cofund Program
DURATION: 15/03/2017 – 14/03/2020
HOLDER: **Dr. Luis Herranz**

TITLE: *P-Sphere Program*
FUNDING ENTITY: UAB-Cofund Program
DURATION: 01/04/2017 – 31/03/2020
HOLDER: **Dr. Kaustubh Kulkarni**

TITLE: *P-Sphere Program*
FUNDING ENTITY: UAB-Cofund Program
DURATION: 01/04/2017 – 31/03/2020
HOLDER: **Dr. Anjan Dutta**

TITLE: *P-Sphere Program*
FUNDING ENTITY: UAB-Cofund Program
DURATION: 23/05/2017 – 22/05/2020
HOLDER: **Dr. José Antonio Iglesias**

TITLE: *P-Sphere Program*
FUNDING ENTITY: UAB-Cofund Program
DURATION: 01/09/2017 – 31/08/2020
HOLDER: **Dr. Zahra Sadeghi**

TITLE: *P-Sphere Program*
FUNDING ENTITY: UAB-Cofund Program
DURATION: 01/04/2018 – 30/09/2020
HOLDER: **Dr. Mohammed Al-Rawi**

TITLE: *Deep Learning for Autonomous Driving*
REFERENCE: TECSPR15-1-0025
FUNDING ENTITY: ACCIÓ
DURATION: 25/03/2016 – 24/03/2018
HOLDER: **Dr. David Vázquez**

Pre-doc grants:

TITLE: *Doctorat Industrial XEROX*
FUNDING ENTITY: XEROX
DURATION: 2014-2018 (until April 2018)
HOLDER: **César de Souza**
ADVISOR: **Dr. Antonio López**

TITLE: *FI - Ajuts per a la contractació de personal investigador novell*

REFERENCE: 2017FI_B00218

FUNDING ENTITY: AGAUR

DURATION: 01/05/2017 – 30/04/2020

HOLDER: Marc Masana

ADVISOR: Dr. Joost van de Weijer

TITLE: *Visual Search for Fashion Products*, Industrial Doctorate with Wide Eyes and UAB

REFERENCE: 2016 DI 039

FUNDING ENTITY: AGAUR

DURATION: 06/03/2017 – 05/03/2020

HOLDER: Vacit Oguz Yacizi

ADVISOR: Dr. Joost van de Weijer

TITLE: *Exploiting the Interplay between Visual and Textual Image Content for Scene Interpretation*, Industrial Doctorate with Fundació Eurecat and UAB

REFERENCE: 2016 DI 084

FUNDING ENTITY: AGAUR

DURATION: 03/03/2017 – 02/03/2020

HOLDER: Raul Álamo Gómez

ADVISOR: Dr. Dimosthenis Karatzas

TITLE: *Making historical archives searchable. Multiwriter word recognition and spotting using transfer learning models*, Industrial Doctorate with Qidenus and UAB

REFERENCE: 2016 DI 095

FUNDING ENTITY: AGAUR

DURATION: 18/04/2017 – 17/04/2020

HOLDER: Manuel Carbonell

ADVISORS: Dr. Alicia Fornés / Dr. Josep Lladós

TITLE: *Making historical archives searchable. Semantic annotation of handwritten word images*, Industrial Doctorate with Qidenus and UAB

REFERENCE: 2016 DI 087

FUNDING ENTITY: AGAUR

DURATION: 18/04/2017 – 17/04/2020

HOLDER: Lei Kang

ADVISORS: Dr. Alicia Fornés / Dr. Marçal Rusiñol

TITLE: *FPI - Ayudas para contratos predoctorales para la formación de doctores*

REFERENCE: BES-2015-073105

FUNDING ENTITY: MINECO

DURATION: 17/01/2016 – 16/01/2020

HOLDER: Dena Bazazian

ADVISOR: Dr. Dimosthenis Karatzas

TITLE: *FPI - Ayudas para contratos predoctorales para la formación de doctores*

REFERENCE: BES-2015-073722

FUNDING ENTITY: MINECO

DURATION: 08/03/2016 – 07/03/2020

HOLDER: Hassan Ahmed Sial

ADVISOR: Dr. Maria Vanrell / Dr. Robert Benavente

TITLE: *FPI - Ayudas para contratos predoctorales para la formación de doctores*
REFERENCE: BES-2016-078042
FUNDING ENTITY: MINECO
DURATION: 05/06/2017 – 04/06/2021
HOLDER: **Esmitt Ramírez**
ADVISOR: **Dr. Debora Gil**

TITLE: *FPU – Ayudas para la formación de profesorado universitario.*
REFERENCE: FPU15/06264
FUNDING ENTITY: MECD
DURATION: 01/10/2016 – 30/09/2020
HOLDER: **Pau Riba**
ADVISOR: **Dr. Josep Lladós**

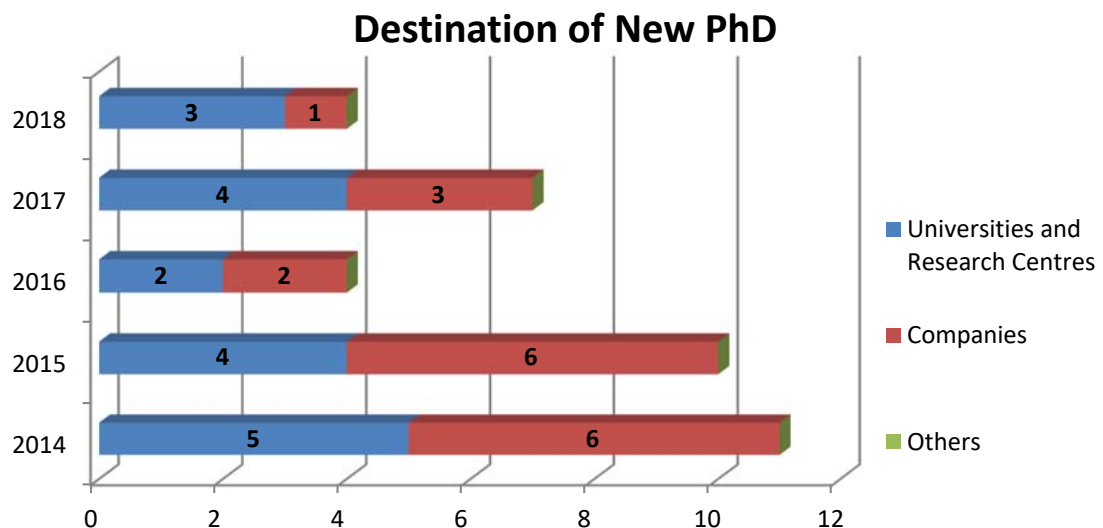
TITLE: *FPU – Ayudas para la formación de profesorado universitario.*
REFERENCE: FPU16/04131
FUNDING ENTITY: MINECO
DURATION: 30/10/2017 – 29/10/2021
HOLDER: **Jose Luis Gómez Zurita**
ADVISOR: **Dr. Antonio M. López**

4. PhD Thesis

- **César de Souza:** *“Action Recognition in Videos: Data-efficient approaches for supervised learning of human action classification models for video”*, April 27, 2018
Supervisors: **Dr. Antonio M. López** and Dr. Naila Murray
- **Aymen Azaza:** *“Context, Motion and Semantic Information for Computational Saliency”*, October 12, 2019.
Thesis in joint supervision with the Université de Monastir (Tunisia)
Supervisors: **Dr. Joost van de Weijer** and Dr. Ali Douik
- **Suman Kumar Gosh:** *“Word Spotting and Recognition in Images from Heterogeneous Sources”*, November 9, 2018
Supervisor: **Dr. Ernest Valveny**
- **Dena Bazazian:** *“Fully Convolutional Networks for Text Understanding in Scene Images”*, November 29, 2018
Supervisors: **Dr. Dimosthenis Karatzas** and Dr. Andrew D. Bagdanov

Distribution of new PhD In 2018:

- **Universities and Research Centres (3):** Université de Rouen (France), University of Hafar al Batin (KSA) and CVC.
- **Companies (1):** Naver Labs (France)



5. Master thesis and Master projects

- Santiago Puch Giner: *"Multimodal brain tumor segmentation in MR images with Deep Architectures"*, Master in Computer Vision
Supervisors: **Dr. Aura Hernández** and Dr. Gema Piella
CVC, July 5, 2018
- Antoni Joan Pérez Torres, *"Neural Networks for Surveillance Camera Tampering Detection"*, Master in Computer Vision
Supervisor: **Dr. Ramon Baldrich**
Date: July 17, 2018
- Marc Grau Galofré, *"Class-conditional image generation with external classifiers"*, Master in Computer Vision
Supervisor: **Dr. Luis Herranz**
Date: September 13, 2018
- Mikel Menta Garde, *"Learning to adapt class-specific features across domains for semantic segmentation"*, Master in Computer Vision
Supervisors: Dr. Adriana Romero and **Dr. Joost van de Weijer**
Date: September 13, 2018
- Xénia Salinas Ventalló, *"Spatio-Temporal Emotion Recognition"*, Master in Computer Vision
Supervisors: Dr. Andrés Cencerrado and **Dr. Sergio Escalera**
Date: September 13, 2018
- Adrián Salvador Romero, *"Object detection in document images"*, Master in Computer Vision
Supervisor: **Dr. Marçal Rusiñol**
Date: September 13, 2018
- Guillermo Eduardo Torres, *"Polyp Histology Prediction using Convolutional Neural Networks in a Small Unbalanced Dataset"*, Master in Computer Vision
Supervisor: **Dr. Jorge Bernal**
Date: September 13, 2018
- Àlex Vallés Fernández, *"Three dimensional information from multispectral sequences"*, Master in Computer Vision
Supervisor: **Dr. Felipe Lumbreras**
Date: September 13, 2018
- Antonio Aguilar, *"Geocoding of the Buugit application"*, Master Geoinformation
Supervisor: **Dr. Katerine Díaz Chito**
Date: July 13, 2018

6. Research stays

6.1. Outgoing Research stays

During 2018, CVC's research staff had carried out 13 research stays, all of them in labs outside Spain. Of these, 8 were in centers in Europe, 4 in America and 1 in Asia.

Postdoctoral (5):

- **Dr. Jorge Bernal**, ENSEA, Cergy (France). Collaboration with Dr. Aymeric Histace. From February 11-14, 2018
- **Dr. Anjan Dutta**, Amsterdam Machine Learning (AMBLab), Amsterdam (The Netherlands). Collaboration with Dr. Zeynep Akata. From June 25 to June 27, 2018
- **Dr. Jorge Bernal**, ENSEA, Cergy (France). Collaboration with Dr. Aymeric Histace. From September to December, 2018
- **Dr. Zahra Sadeghi**, Brown University, Providence, RI (USA). Collaboration with Dr. Thomas Serre. From October 9, 2018 to February 2, 2019
- **Dr. Bogdan Raducanu**, Kyutech – Wakamtsu Campus, Hibikino Fukuoka (Japan). Collaboration with Dr. Hiroaki Wagatsuma group. From November 14 to December 14, 2018

Predoctoral (8):

- **Pau Rodríguez**, Element Ai, Montreal (Canada). From February 19 to June 19, 2018. Supervisor: Dr. Alexandre Lacoste
- **Marc Masana**, PSI group - KU Leuven (Belgium). From May 3 to September 3, 2018. Supervisor: Dr. Tinne Tuytelaars
- **David Berga**, LAAV - Laboratory of Active and Attentive Vision, Lassonde School of Engineering, York University, Toronto (Canada). From April to June 2018. Supervisor: Dr. John Tsotsos
- **Guillem Cucurull**, Montreal Institute for Learning Algorithms (MILA), Montreal (Canada). From June to December 2018. Supervisor: Dr. Adriana Romero
- **Edgar Riba**, Imperial College London (UK). From June 19 to November, 2018. Supervisor: Krystian Mikolajczyk
- **Zhijie Fang**, Audi Electronics Venture GmbH, Ingolstadt (Germany). From July 2 to October 26, 2018. Supervisor: Maximilian Muehlegg
- **Dena Bazazian**, Naver Labs (France). From September 16 to November 16, 2018. Supervisor: Dr. Jon Almazán
- **Sounak Dey**, SketchX Lab London, Queen Mary University of London (UK). From September 19 to December 19, 2018. Supervisor: Dr. Yi-Zhe Song

6.2. Incoming Research stays and Internships

During 2018, we received researchers coming from other centers and institutions outside Spain.

In addition, during last year we also hosted for periods between 2 to 6 months (within the academic year), young master, undergraduate and also high-school students to develop their projects or a training stage in some of the CVC research groups. Of these, 10 came from other centers or universities outside Spain, such as India, Iran and Italy.

In some cases, these stages have been the introduction to research work.

Postdoctoral (2):

- **Dr. Jan van Gemmert**, Computer Vision Lab, Faculty of Electrical Engineering, Mathematics and Computer Science, Delft University of Technology, Delft (The Netherlands). Collaboration with **LAMP group**. Dates: January 8 to January 31, 2018
- **Dr. Muzzamil Luqman**, Laboratoire Informatique, Image et Interaction (L2i), Université de La Rochelle, La Rochelle (France). Collaboration with **DAG Group**. Dates: December 1 to December 31, 2018

PhD students (4):

- Flavio Piccoli. PhD student, Department of Informatics, Systems and Communication (DISCo), Università degli Studi di Milano-Bicocca (Italy). Supervisor: **Dr. Joost van de Weijer** (LAMP Group). Dates: February 19 to May 19, 2018
- Swathikiran Sudhakaran. PhD Student, Department of Information Engineering and Computer Science, University of Trento (Italy). Supervisor: **Dr. Sergio Escalera** (HuPBA Group). Dates: September 10 to December 21, 2018
- Razieh Rastgoo. PhD student, Shiraz University (Iran). Supervisor: **Dr. Sergio Escalera** (HuPBA Group). Dates: November 7 2018 to April 6, 2019
- Zhengying Liu. PhD student, Inria (France). Supervisor: **Dr. Sergio Escalera** (HuPBA Group). Dates: November 7 to December 1, 2018

Master students (11):

- Ali Furkan Bite. Master Student (Work Placement), UAB. Supervisor: **Dr. Dimosthenis Karatzas** (DAG Group). Dates: November 2017 to January 2018
- Andrés Mafla. Master Student (Work Placement), UAB. Supervisor: **Dr. Dimosthenis Karatzas** (DAG Group). Dates: November 2017 to January 2018
- Rubén Pérez. Master Student (Work Placement), UAB. Supervisor: **Dr. Marçal Rusiñol** (DAG Group). Dates: April 2018 to August 2018
- Elias Kasma. Master Student (Work Placement), UAB. Supervisor: **Dr. Dimosthenis Karatzas** (DAG Group). Dates: June 2018 to January 2019
- Adrià Salvador. Master Student (Work Placement), UAB. Supervisor: **Dr. Marçal Rusiñol** (DAG Group). Dates: June 2018 to September 2018

- Akram Kohansal. Master Student (Work Placement), UAB. Supervisor: **Dr. Ernest Valveny** (DAG Group). Dates: June 2018 to January 2019
- Diego E. Apestegui. Master Student (Work Placement), UAB. Supervisor: **Dr. Dimosthenis Karatzas** (DAG Group). Dates: July to December 2018
- Flavia Poggiogalle. Master Student, Sapienza Università di Roma. Supervisor: **Dr. Antonio M. López** (LAMP Group). Dates: October 8 to December 21, 2018
- Asma Bensalah. Master Student (Work Placement), UAB. Supervisor: **Dr. Alicia Fornés** (DAG Group). Dates: October 2018 to January 2019
- Bhaskar Gautam. Master Student (Work Placement), UAB. Supervisor: **Dr. Oriol Ramos** (DAG Group). Dates: November 2018 to February 2019
- Vitali Kudinov. Master Student (Work Placement), UAB. Supervisor: **Dr. José A. Iglesias** (ADAS Group). Dates: November 2018 to April 2019

Undergraduate students (23):

- Jialuo Chen. Undergrad, Work Placement, UAB. Supervisor: **Dr. Alicia Fornés** (DAG Group). Dates: February to July 2018
- Sergi García. Undergrad, Work Placement, UAB. Supervisor: **Dr. Dimosthenis Karatzas** (DAG Group). Dates: February to June 2018
- Daniel Gómez. Undergrad, Work Placement and Final Project, UAB. Supervisor: **Dr. Antonio M. López** (ADAS Group). Dates: March to June 2018
- Adrià Rico. Undergrad, Work Placement, UAB. Supervisor: **Dr. Alicia Fornés** and **Marçal Rusiñol** (DAG Group). Dates: March to July 2018
- Raghav Jain. Undergrad, Indian Institute of Technology, Delhi (India). Supervisor: **Dr. Josep Lladós** (DAG Group). From April 16 to July 31, 2018
- Richard Segovia. Undergrad, Work Placement and Final Project, UAB. Supervisor: **Dr. Felipe Lumbreras** (MSIAU Group) and **Coen Antens** (CVC Lab). Dates: April to June 2018 and September to December 2018
- Daniel Azemar. Undergrad, Final Project, UAB. Supervisor: **Dr. Ramon Baldrich** (CiC Group). Dates: May to July 2018
- Rohit Gajawada. Undergrad, International Institute of Information Technology Hyderabad, Hyderabad (India). Supervisor: **Dr. Antonio M. López** (ADAS Group). From May 5 to July 25, 2018
- Rishabh Madan. Undergrad, Indian Institute of Technology, Kharagpur (India). Supervisor: **Dr. Antonio M. López** (ADAS Group). From May 7 to July 27, 2018
- Sohom Mukherjee. Undergrad, National Institute of Technology, Durgapur (India). Supervisor: **Dr. Antonio M. López** (ADAS Group). From May 18 to July 14, 2018
- Arjun Gupta. Undergrad, Birla Institute of Technology and Science (BITS) – Pilani (India). Supervisor: **Dr. Antonio M. López** (ADAS Group). From June 11 to December 16, 2018
- Oriol Catalán. Undergrad, Work Placement, UAB. Supervisor: **Dr. Jorge Bernal** (ISE Group). Dates: July 2018

- Mojatba Valipour. Undergrad, Shiraz University, Shiraz (Iran). Supervisor: **Dr. Antonio M. López** (ADAS Group). From July 16 to September 30
- Eric Cañas. Undergrad, Work Placement, UAB. Supervisor: **Dr. Maria Vanrell** (CiC Group). Dates: September 2018 to February 2019
- Edgar Gràcia. Undergrad, Work Placement, UAB. Supervisor: **Coen Antens** (CVC Lab). Dates: September to December 2018
- Daniel Roura. Undergrad, Work Placement, UAB. Supervisor: **Dr. Felipe Lumbreras** (MSIAU Group) and **Coen Antens** (CVC Lab). Dates: September to December 2018
- Diego Velázquez. Undergrad, Work Placement and Final Project, UAB. Supervisor: **Dr. Xavier Roca** (ISE Group). Dates: September 2018 to February 2019
- Daniel Hebrón. Undergrad, Work Placement, UAB. Supervisor: **Dr. Fernando Vilariño** (DAG Group). Dates: October to December 2018
- Yael Tudela. Undergrad, Work Placement, UAB. Supervisor: **Dr. F. Javier Sánchez** (ISE Group) and **Coen Antens** (CVC Lab). Dates: October 2018 to January 2019
- Federico Bambagioni. Undergraduate Student – Erasmus traineeship, Università degli Studi di Firenze. Supervisor: **Dr. Joost van de Weijer** (LAMP Group). Dates: October 19, 2018 to April 18, 2019
- Gianmarco Biscini. Undergraduate Student – Erasmus traineeship, Università degli Studi di Firenze. Supervisor: **Dr. Dimos Karatzas** (DAG Group). Dates: November 5, 2018 to April 30, 2019
- Jacopo Bianchini. Undergraduate Student – Erasmus traineeship, Università degli Studi di Firenze. Supervisor: **Dr. Dimos Karatzas** (DAG Group). Dates: November 5, 2018 to April 30, 2019
- Rubén Llaquet. Undergrad, Work Placement, UAB. Supervisor: **Dr. Felipe Lumbreras** (MSIAU Group). Dates: December 2017 to February 2018

High School students (5):

- Bruno Moya. Internship. Supervisor: **Edgar Riba** (MSIAU Group)
- Sigríd Vila. Research Project. Supervisor: **Manuel Carbonell** (DAG Group)
- Oriol Baeza. Research Project. Supervisor: **Xim Cerdà** (Neurbit Group)
- Laura de las Heras. High School Extraordinary Award. Supervisor: **Arnau Baró** (DAG Group)
- Jana Ferran. High School Extraordinary Award. Supervisor: **Esmitt Ramírez** (Neurbit Group)

7. Invited Talks by CVC personnel

In scientific conferences and workshops:

Deep learning in In a multi-task framework. Application to Food analysis, at Applications of Intelligent Systems Conference (APPIS'18)

Speaker: **Dr. Petia Radeva**

Place: Las Palmas de Gran Canaria (Spain)

Date: January 10, 2018.

<http://appis.webhosting.rug.nl/2018/>

Videogame Technology meets Self-driving, in IEEE International Conference on Simulation, Modelling and Programming for Autonomous Robots (SIMPAN'2018)

Speaker: **Dr. Antonio M. López**

Place: Brisbane (Australia)

Date: May 17, 2018

<https://simpar.uqcloud.net/>

Apparent Human Behavior Understanding, in Visual Understanding of Subjective Properties of Data Workshop (V-USAD), at CVPR 2018

Speaker: **Dr. Sergio Escalera**

Place: Salt Lake City (USA)

Date: June 22, 2018

<https://project.inria.fr/usad/previous-events/v-usad-cvpr/>

Videogame technology meets self-driving—CARLA: the open source driving simulator, Special Session on “Simulation and Navigation for Intelligent Vehicles”, at IEEE Intelligent Vehicle Symposium (IV'2018)

Speaker: **Dr. Antonio M. López**

Place: Chang Shu (China)

Date: June 27, 2018

Going beyond Deep Learning for Understanding Human Behaviours in Image Sequences, in X Conference on Articulated Motion and Deformable Objects AMDO 2018

Speaker: **Dr. Jordi González**

Place: Palma, Mallorca

Date: July 12-13, 2018

<http://amdo2018.uib.es/>

Apparent Personality Computing, in Multimedia Information Processing for Personality and Social Networks Analysis (MIPPSNA 2018), at ICPR 2018

Speaker: **Dr. Sergio Escalera**

Place: Beijing (China)

Date: August 20, 2018

<http://www.icpr2018.org/index.php?m=content&c=index&a=lists&catid=46>

Open Topics in Vision-based Self-driving, in Workshop on Vision-based Navigation for Autonomous Driving, at ECCV'2018

Speaker: **Dr. Antonio M. López**

Place: Munich (Germany)

Date: September 9, 2018

<http://apolloscape.auto/ECCV/index.html>

Uncertainty-aware food analysis by Deep learning, at the International Conference on Machine Vision (ICMV'2018)

Speaker: **Dr. Petia Radeva**

Place: Munich, Germany

Date: October 2, 2018.

<http://icmv.org/>

Living Labs for citizen co-creation of our Cultural Heritage, in 4th International Forum To Be Verona

Speaker: **Dr. Fernando Vilariño**

Place: Verona (Italy)

Date: October 20, 2018

<http://www.tobeverona.it/en/home.html>

Color Encoding in CNNs and Some Parallelisms with Human Vision, in Deep Learning and Color Workshop, in conjunction with Twenty-sixth Color and Imaging Conference (CIC 26)

Speaker: **Dr. Maria Vanrell**

Place: Vancouver (Canada)

Date: November 13, 2018

https://www.imaging.org/site/IST/Conferences/Color_and_Imaging/CIC_26_2018_/IST/Conferences/CIC/CIC2018/CIC2018_Home.aspx?hkey=7144057f-3cfe-4782-8302-f3c5d6352a27

Uncertainty-aware Food Analysis by Deep Learning, at the Artificial Intelligence International Conference A2IC'2018

Speaker: **Dr. Petia Radeva**

Place: Barcelona, Spain

Date: November 21, 2018

<https://premc.org/conferences/a2ic-artificial-intelligence/>

Vision and Language: Modelling the Interplay between visual and textual Information for Computer Vision applications, at the Artificial Intelligence International Conference A2IC'2018

Speaker: **Dr. Dimosthenis Karatzas**

Place: Barcelona, Spain

Date: November 22, 2018

<https://a2ic2018.exordo.com/programme?date=2018-11-22>

In courses and tutorials:

GIAN course on "Advanced Medical Imaging: Wireless Endoscopy Analysis", sponsored by the Indian Institute of Technology

Lecturer: **Dr. Petia Radeva**

Place: Indian Institute of Technology and hold at VNIT, Nagpur (India)

Date: January 2-6, 2018

<http://vnit.ac.in/gian/>

Domain-adaptive Deep Networks, in UPC TelecomBCN Deep Learning: Winter School Guest Lectures

Lecturer: **Dr. Joost van de Weijer**

Place: UPC – Universitat Politècnica de Catalunya, Barcelona

Date: January 30, 2018

Deep Learning Framework, in 3rd BigSkyEarth Training School,

Lecturer: **Marc Masana**

Place: Basque Country (Spain)

Date: April 10, 2018

Image to Image Translations, HLU Master class

Lecturer: **Dr. Luis Herranz**

Place: HLU Master School, Paris (France)

Date: April 11, 2018

Large-scale Document Indexing, in IAPR TC10/TC11 Summer School on Document Analysis: Traditional Approaches and New Trends

Lecturer: **Dr. Marçal Rusiñol**

Date: July 5, 2018

<http://ssda.univ-lr.fr/>

Scene text Understanding, in IAPR TC10/TC11 Summer School on Document Analysis: Traditional Approaches and New Trends

Lecturer: **Dr. Dimosthenis Karatzas**

Date: July 6, 2018

<http://ssda.univ-lr.fr/>

Generative adversarial networks and lifelong learning, (2h) in the Programa Oficial de Posgrado en Ingeniería Informática y de Telecomunicación

Lecturer: **Dr. Luis Herranz**

Place: Escuela Politécnica Superior, Universidad Autónoma de Madrid

Date: July 12, 2018

Autonomous Driving: Open Challenges, in AERFAI Summer Lectures & Colloquium on Deep Learning for Computer Vision

Invited Speaker: **Dr. Antonio M. López**

Place: Barcelona

Date: July 17, 2018

<http://www.cvc.uab.es/aerfai/>

Feed your ambition, take care of your stakeholders, in Scaling and Spreading for Place-Based Innovation workshop, European Social Innovation Competition

Speaker: **Dr. Fernando Vilariño**

Place: Cluj (Romania)

Date: July 17, 2018

<https://eusic-2018.challenges.org/>

Learning from Unlabeled Data by Using Rankings, in BCN.ai Fall '18

Lecturer: **Dr. Joost van de Weijer**

Place: Movistar Center, Barcelona

Date: September 6, 2018

Session Introducció a les tècniques de Deep Learning i Visió per Computador, in AI4ALL Curs en Intel·ligència Artificial Aplicada a la Indústria

Lecturer: **Dr. Jordi Gonzalez**

Place: UAB

Date: September 18, 2018

Introduction to Deep Learning, in PI2018 XII Taller-Escuela de Procesamiento de Imágenes

Lecturer: **Dr. Bogdan Raducanu**

Place: CIMAT – Centro de Investigación en Matemáticas, Guanajuato (México)

Date: September 20-21, 2018

<http://pi2018.eventos.cimat.mx/node/987>

Lifelong Learning with Generative Memory Replay, in PI2018 XII Taller-Escuela de Procesamiento de Imágenes

Lecturer: **Dr. Bogdan Raducanu**

Place: CIMAT – Centro de Investigación en Matemáticas, Guanajuato (México)

Date: September 20-21, 2018

<http://pi2018.eventos.cimat.mx/node/987>

Session Laboratori de modelització de dades amb tècniques Deep Learning, in AI4ALL Curs en Intel·ligència Artificial Aplicada a la Indústria

Lecturer: **Pau Rodríguez**

Place: UAB

Date: September 21, 2018

Identité digital aux documents multimédia, in Journée Thématique “Protection des documents multimédia GDR”

Lecturer: **Dr. Oriol Ramos**

Place: Laboratoire d'Informatique Paris Descartes (LIPADE), Université Paris Descartes

Date: September 27, 2018

Session Metodologies àgils i “living lab”, in AI4ALL Curs en Intel·ligència Artificial Aplicada a la Indústria

Lecturer: **Dr. Fernando Vilariño**

Place: UAB

Date: September 28, 2018

Session Laboratori d'anàlisi de dades amb entorns open source, in AI4ALL Curs en Intel·ligència Artificial Aplicada a la Indústria

Lecturer: **Pau Rodríguez**

Place: UAB

Date: October 5 and October 26, 2018

Session Reptes de percepció als vehicles autònoms, in AI4ALL Curs en Intel·ligència Artificial Aplicada a la Indústria

Lecturer: **Dr. Antonio M. López**

Place: UAB

Date: October 16, 2018

Session Tecnologies IoT per a projectes eHealth, in AI4ALL Curs en Intel·ligència Artificial Aplicada a la Indústria

Lecturer: Dr. Jordi Carrabina and **Dr. Debora Gil**

Place: UAB

Date: October 18, 2018

Uncertainty-aware CNNs. Application to food image analysis, Open Lecture in the second Edition of the Deep Learning for Artificial Intelligence course of Master Telecommunications Engineering, UPC

Guest speaker: **Dr. Petia Radeva**

Place: UPC

Date: December 12, 2018

<https://telecombcn-dl.github.io/2018-dlai/>

Learning and Forgetting in Image Generation, in BCN.ai Winter'18

Lecturer: **Dr. Luis Herranz**

Place: Movistar Centre

Date: December 19, 2018

In other events:

Deep Learning in Space

Speaker: **Pau Rodríguez**

Place: IEEC, Barcelona

Date: January 19, 2018

Real Time Crowd Counting, in World Mobile Congress

Speaker: **Dr. Joost van de Weijer**

Place: Barcelona

Date: February 27, 2018

Modelos de innovación disruptivos en la nueva economía digital, in Mobile Talks, Mobile World Congress

Speaker: **Dr. Fernando Vilariño**

Place: Barcelona

Date: March 1, 2018

Apparent Human Behavior Understanding, VL'18 – Cost Action Integrating Vision and Language
Closing Conference

Speaker: **Dr. Sergio Escalera**

Place: Tartu (Estonia)

Date: March 5th, 2018

Few-shot and Metalearning

Speaker: **Pau Rodríguez**

Place: Element AI, Montréal (Canada)

Date: March 8, 2018

¿Por dónde empezamos? ...¡Por la inspiración!, Session in Forum TurisTIC

Speaker: **Raúl Gómez**

Place: Barcelona (Spain)

Date: April 10, 2018

Learning Layer decomposition for Compression and Learning without Forgetting

Speaker: **Dr. Joost van de Weijer**

Place: Facebook Research Paris

Date: April 11, 2018

Virtual World for the Perception and Control of Self-Driving Vehicles, in LGE Innovation Fair

Speaker: **Dr. Jose A. Iglesias**

Place: Berlin (Germany)

Date: April 16, 2018

The Computer Vision Center, in LGE Innovation Fair

Speaker: **Dr. Josep Lladós**

Place: Berlin (Germany)

Date: April 16, 2018

Visió per Computador aplicada al reconeixement d'imatges de documents, in Sessió Processament d'Imatges, Primeres Jornades de la Xarxa d'Humanitats Digitals de la UAB

Speakers: **Dr. Alicia Fornés** and **Dr. Josep Lladós**

Place: UAB

Date: April 19, 2018

<https://www.uab.cat/web/investigador/cores-uab/core-en-patrimoni-cultural/programa-dia-2-1345751239424.html>

Cerca Semàntica d'Imatges i Text a Hemeroteques Digitals, in Sessió Processament d'Imatges, Primeres Jornades de la Xarxa d'Humanitats Digitals de la UAB

Speaker: **Dr. Marçal Rusiñol**

Place: UAB

Date: April 19, 2018

<https://www.uab.cat/web/investigador/cores-uab/core-en-patrimoni-cultural/programa-dia-2-1345751239424.html>

Living Lab de Sant Cugat, in Sessió Participació Ciutadana, Primeres Jornades de la Xarxa d'Humanitats Digitals de la UAB

Speaker: **Dr. Josep Lladós** and **Dr. Fernando Vilariño**

Place: UAB

Date: April 19, 2018

<https://www.uab.cat/web/investigador/cores-uab/core-en-patrimoni-cultural/programa-dia-2-1345751239424.html>

Prediction saliency and scanpath with a neurodynamical model of V1

Speaker: **David Berga**

Place: Laboratory of Active and Attentive Vision, Lassonde School of Engineering, York University,

Date: April 30, 2018

Learning Deep Networks from ranked data

Speaker: **Dr. Joost van de Weijer**

Place: Universitat Pompeu Fabra, Barcelona

Date: May 8, 2018

Solucions de mobilitat intel·ligent, Cas SEAT i Centre de Visió per Computador, in hubb30 Brunchs d'Innovació

Speaker: **Dr. Antonio M. López**

Place: Parc de Recerca UAB, Bellaterra

Date: May 11, 2018

Two talks on Deep Networks: "Domain-adaptive deep network compression" and "Rotate your Networks", in KU Leuven – PSI Seminar

Speaker: **Marc Masana**

Place: KU Leuven (Belgium)

Date: May 14, 2018

The experience of creating a start up from the research ecosystem, in PSphereUAB workshop

Speaker: **Dr. Xavier Roca**

Place: UAB, Bellaterra

Date: June 7, 2018

Identitat digital

Speaker: **Dr. Oriol Ramos**

Place: Innovahub-Gas Natural, Barcelona

Date: June 14, 2018

Open CV for makers: embedding computer vision in your applications, in Maker Faire Barcelona

Speaker: **Edgar Riba**

Place: Barcelona

Date: June 16, 2018

Libraries as new innovation Hubs: The Library Living Lab, in Session 1.1 Digital Disruption 1: Technology Transfer at XXIX ISPIM Innovation Conference

Speaker: **Dr. Fernando Vilariño**

Place: Stockholm (Sweden)

Date: June 18, 2018

<https://www.ispim-innovation.com/events>

Exploring the depths of Neural Networks, in omni.us Machine Intelligence Summit 2018

Speaker: **Dr. Alicia Fornés**

Place: Berlin (Germany)

Date: June 21, 2019

<https://omnius.com/mis/speakers/>

Transfer learning and lifelong learning with generative adversarial networks

Speaker: **Dr. Luis Herranz**

Place: Katholieke Universiteit Leuven (KU), (Belgium)

Date: July 2018

Intelligent Systems for Colonoscopy

Speaker: **Dr. Jorge Bernal**

Place: University of Groningen (The Netherlands)

Date: September 19, 2018

<https://www.rug.nl/research/bernoulli/calendar/colloquia/computer-science/2018/20180919-bernalnozal>

The City as a Living Lab, in Open Innovation Summit

Speaker: **Dr. Fernando Vilariño**

Place: Torino (Italy)

Date: September 20, 2018

<http://www.openinnovationsummit.org/>

Big Data of the past, in the Icarus Workshop 2018

Speaker: **Dr. Josep Lladós**

Place: Napoli (Italy)

Date: September 24, 2018

Com aprenen les màquines? El Machine learning i la visió per computador en 20 clicks, in European Researchers Night 2018

Lecturer: **Pau Rodríguez**

Place: CosmoCaixa, Barcelona

Date: September 28, 2018

<http://www.buscaciencia.cat/esdeveniments/nit-recerca-cat-bcn-2018/>

Vision based pedestrian intention recognition for autonomous driving

Lecturer: **Zhijie Fang**

Place: Audi Electronics Venture GmbH, Ingolstadt (Germany)

Date: October 8, 2018

Learning and forgetting in image classification and generation

Lecturer: **Dr. Luis Herranz**

Place: University of Chinese Academy of Sciences, Beijing (China)

Date: October 10, 2018

Learning and forgetting in image classification and generation

Lecturer: **Dr. Luis Herranz**

Place: Institute of Automation, Chinese Academy of Sciences, Beijing (China)

Date: October 11, 2018

Learning from Rankings

Lecturer: **Dr. Joost van de Weijer**

Place: Telefonica Alpha Barcelona

Date: October 16, 2018

Intelligent Systems for Colonoscopy

Lecturer: **Dr. Jorge Bernal**

Place: ENSEA, Cergy (France)

Date: October 23, 2018

Computer Vision and Deep Learning

Lecturer: **Pau Rodríguez**

Place: Parc de Recerca (UAB)

Date: October 23, 2018

The role of living labs for Innovation through transnational collaboration, in 1st Regional Living Lab Summit

Speaker: **Dr. Fernando Vilariño**

Place: Istanbul (Turkey)

Date: October 24, 2018

<https://www.rlistanbul.com/en/>

Deep Learning and Computer Vision, at the Aula Magna XXII, Inteligencia Artificial, Big Data, Machine Learning y Robótica

Invited speaker: **Dr. Petia Radeva**

Place: Pontificia Universidad Católica del Perú, Lima (Peru)

Date: November 5, 2018

<https://www.pucp.edu.pe/aulamagna/#tab-1>

Learning Deep Networks from Unlabeled Data

Lecturer: **Dr. Joost van de Weijer**

Place: Barcelona Supercomputing Center, Barcelona

Date: November 7, 2018

Round table "Tecnologies Emergents per a les Ciutats", in Jornada: Innovació tecnològica a les ciutats (Smart City Week)

Speaker: **Dr. Antonio M. López**

Place: Universitat Pompeu Fabra

Date: November 9, 2018

An open, participatory, experimentation space, in Placemaking for Innovation Lecturer: **Dr. Fernando Vilariño**
Place: Valencia (Spain)
Date: November 15

Living Labs in Health and Well being, in From Patient to Protagonist Symposium
Speaker: **Dr. Fernando Vilariño**
Place: Pamplona (Spain)
Date: November 19, 2018

Intel·ligència Artificial en la conducció autònoma, in I Fòrum del Vehicle Autònom
Speaker: **Dr. Antonio M. López**
Place: EIC, Barcelona
Date: November 27, 2017
<https://www.eic.cat/jornades/1102517>

Visió per Computador en la Indústria 4.0, in Workshop 4- Inteligencia artificial aplicada a la industria: ¿Mito o realidad?, Future Industry Congress
Speaker: **Dr. Fernando Vilariño**
Place: L'Hospitalet de Llobregat (Spain)
Date: November 27, 2018
<https://futureindustrycongress.com/ca/sessio/workshop-4-intelligencia-artificial-aplicada-a-la-industria/>

The role of Living Labs in Smart Cities, in Living Labs and Smart Cities Conference
Speaker: **Dr. Fernando Vilariño**
Place: Seoul, Korea
Date: November 28, 2018

Asistencia a la Diagnòsis, Debate Salud Conectada, in Inteligencia Artificial, ética y participación ciudadana, Diálogos ciudadanos y ciclo de debates
Speaker: **Dr. Debora Gil**
Place: Palau Macaya, Barcelona
Date: December 10, 2018

Mix and match networks, in Session IV Multimodal, Deep Learning Barcelona Symposium 2018
Speaker: **Dr. Luis Herranz**
Place: Auditori del Campus del Poble Nou, Universitat Pompeu Fabra, Barcelona (Spain)
Date: December 20, 2018
<https://sites.google.com/view/dlbcn2018/home>

TADAM: task dependent adaptive metric for improved few-shot learning, in Session V Machine Learning, Deep Learning Barcelona Symposium 2018
Speaker: **Pau Rodríguez**
Place: Auditori del Campus del Poble Nou, Universitat Pompeu Fabra, Barcelona (Spain)
Date: December 20, 2018
<https://sites.google.com/view/dlbcn2018/home>

8. Invited Talks at CVC

Learning CNN filter resolution using multi-scale structure receptive fields

Speaker: Dr. Jan van Gemert

Affiliation: Technical University Delft (The Netherlands)

Date: January 12, 2018.

Recent Applications of Deep Learning for Retinal Image Analysis

Speaker: Dr. Adrián Galdrán

Affiliation: INESC TEC Porto (Portugal)

Date: January 23, 2018

Lifelong Learning Seminar, consisting of two talks:

- Talk 1: *Overcoming catastrophic forgetting with hard attention to the task*, Speaker: Dr. Joan Serra (Telefonica R+D)
- Talk 2: *Rotate your Networks: Better Weight Consolidation and Less Catastrophic Forgetting*, Speakers: **Xialei Liu/Marc Masana** (CVC)

Date: February 16, 2019

ICLR 2018 presentations, consisting of 2 talks:

- Talk 1: *Skip RNN: Learning to Skip State Updates in Recurrent Neural Networks*, Speaker: Víctor Campos (Universitat Politècnica de Catalunya)
- Talk 2: *Graph Attention Networks*, Speaker: **Guillem Cucurull** (CVC)

Date: March 21, 2018

Multi-level image understanding and beyond

Speaker: Dr. Hong Chang

Affiliation: Institute of Computing Technology, Chinese Academy of Science

Date: April 5, 2018

CVPR 2018 seminar, consisting of 5 talks:

- Talk 1: *Objects as context for detecting their semantic parts*, Speaker: **Dr. Abel González** (CVC)
- Talk 2: *On the Duality between Retinex and Image Dehazing*, Speaker: Dr. Javier Vázquez, Universitat Pompeu Fabra
- Talk 3: *Depth-Based 3D Hand Pose Estimation: From Current Achievements to Future Goals*, Speaker: **Dr. Meysam Madadi** (CVC)
- Talk 4: *Encoder-Decoder alignment for Zero-Pair Image-to-Image Translation*, Speaker: **Yaxing Wang** (CVC)
- Talk 5: *Self-Supervised Crowd Counting in Images by Learning to Rank*, Speaker: **Xialei Liu** (CVC)

Date: April 18, 2018

Videogame development and its application in Carla

Speaker: **Juan Belón**

Affiliation: CVC

Date: April 19, 2018

Learning spatio-temporal video representations

Speaker: Dr. Yannis Kalantidis

Affiliation: Computer Vision Group at Facebook Research AML (USA)

Date: September 18, 2018

9. Publications

10.1 Books (6)

1. Alicia Fornes & Bart Lamiroy, 2018. *Graphics Recognition, Current Trends and Evolutions*. vol. 11009. LNCS. Springer International Publishing.
2. Aymen Azaza, 2018. *Context, Motion and Semantic Information for Computational Saliency* (Joost van de Weijer & Ali Douik, eds.). Ph.D. thesis. Ediciones Graficas Rey.
3. Cesar de Souza, 2018. *Action Recognition in Videos: Data-efficient approaches for supervised learning of human action classification models for video* (Antonio Lopez & Naila Murray, eds.). Ph.D. thesis. Ediciones Graficas Rey.
4. Dena Bazazian, 2018. *Fully Convolutional Networks for Text Understanding in Scene Images* (Dimosthenis Karatzas & Andrew Bagdanov, eds.). Ph.D. thesis. Ediciones Graficas Rey.
5. Gholamreza Anbarjafari & Sergio Escalera, 2018. *Human-Robot Interaction: Theory and Application*.
6. Suman Ghosh, 2018. *Word Spotting and Recognition in Images from Heterogeneous Sources A* (Ernest Valveny, ed.). Ph.D. thesis. Ediciones Graficas Rey.

10.2 Book Chapter (11)

1. Antonio Lopez, 2018. "Pedestrian Detection Systems". In *Wiley Encyclopedia of Electrical and Electronics Engineering*.
2. Antonio Lopez, David Vazquez & Gabriel Villalonga, 2018. "Data for Training Models, Domain Adaptation". In *Intelligent Vehicles. Enabling Technologies and Future Developments*. p. 395-436.
3. Arnau Baro, Pau Riba, Jorge Calvo-Zaragoza & Alicia Fornes, 2018. "Optical Music Recognition by Long Short-Term Memory Networks". In *Graphics Recognition. Current Trends and Evolutions*. vol. 11009. LNCS. Springer, p. 81-95.
4. Hans Stadthagen-Gonzalez, Luis Lopez, M. Carmen Parafita & C. Alejandro Parraga, 2018. "Using two-alternative forced choice tasks and Thurstone's law of comparative judgments for code-switching research". In *Linguistic Approaches to Bilingualism*. p. 67-97.
5. Jose M. Armingol et al, 2018. "Environmental Perception for Intelligent Vehicles". In *Intelligent Vehicles. Enabling Technologies and Future Developments*. p. 23-101.
6. Rain Eric Haamer et al, 2018. "Review on Emotion Recognition Databases". In *Human-Robot Interaction: Theory and Application*.
7. Sergio Escalera et al, 2018. "Introduction to NIPS 2017 Competition Track". In Sergio Escalera & Markus Weimer, eds. *The NIPS 2017 Competition: Building Intelligent Systems*. Springer, p. 1-23.

10.3 Journals with Impact Factor (54)

1. Adrien Gaidon, Antonio Lopez, and Florent Perronnin. "The Reasonable Effectiveness of Synthetic Visual Data." *International Journal of Computer Vision* 126, no. 9 (2018): 899–901.
2. Albert Clapes, Alex Pardo, Oriol Pujol, and Sergio Escalera. "Action detection fusing multiple Kinects and a WIMU: an application to in-home assistive technology for the elderly." *Machine Vision and Applications* 29, no. 5 (2018): 765–788.
3. Alejandro Cartas, Juan Marin, Petia Radeva, and Mariella Dimiccoli. "Batch-based activity recognition from egocentric photo-streams revisited." *Pattern Analysis and Applications* 21, no. 4 (2018): 953–965.
4. Anjan Dutta, and Hichem Sahbi. "Stochastic Graphlet Embedding." *IEEE Transactions on Neural Networks and Learning Systems* (2018): 1–14.
5. Anjan Dutta, Josep Lladós, Horst Bunke, and Umapada Pal. "Product graph-based higher order contextual similarities for inexact subgraph matching." *Pattern Recognition* 76 (2018): 596–611.
6. Arash Akbarinia, and C. Alejandro Parraga. "Colour Constancy Beyond the Classical Receptive Field." *IEEE Transactions on Pattern Analysis and Machine Intelligence* 40, no. 9 (2018): 2081–2094.
7. Arash Akbarinia, and C. Alejandro Parraga. "Feedback and Surround Modulated Boundary Detection." *International Journal of Computer Vision* 126, no. 12 (2018): 1367–1380.
8. Aymen Azaza, Joost van de Weijer, Ali Douik, and Marc Masana. "Context Proposals for Saliency Detection." *Computer Vision and Image Understanding* 174 (2018): 1–11.
9. Cristhian A. Aguilera-Carrasco, C. Aguilera, and Angel Sappa. "Melamine Faced Panels Defect Classification beyond the Visible Spectrum." *Sensors* 18, no. 11 (2018): 1–10.
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13. Fahad Shahbaz Khan, Joost van de Weijer, Muhammad Anwer Rao, Andrew Bagdanov, Michael Felsberg, and Jorma. "Scale coding bag of deep features for human attribute and action recognition." *Machine Vision and Applications* 29, no. 1 (2018): 55–71.

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24. Katerine Diaz, Jesus Martinez del Rincon, Aura Hernandez-Sabate, Marçal Rusiñol, and Francesc J. Ferri. "Fast Kernel Generalized Discriminative Common Vectors for Feature Extraction." *Journal of Mathematical Imaging and Vision* 60, no. 4 (2018): 512–524.
25. Kaustubh Kulkarni, Ciprian Corneanu, Ikechukwu Ofodile, Sergio Escalera, Xavier Baro, Sylwia Hyniewska, Juri Allik, and Gholamreza Anbarjafari. "Automatic Recognition of Facial Displays of Unfelt Emotions." *IEEE Transactions on Affective Computing* (2018).
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29. Marçal Rusiñol, J. Chazalon, and Katerine Diaz. "Augmented Songbook: An Augmented Reality Educational Application for Raising Music Awareness." *Multimedia Tools and Applications* 77, no. 11 (2018): 13773–13798.
30. Marc Bolaños, Alvaro Peris, Francisco Casacuberta, Sergi Solera, and Petia Radeva. "Egocentric video description based on temporally-linked sequences." *Journal of Visual Communication and Image Representation* 50 (2018): 205–216.
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37. Mohamed Ilyes Lakha, Hakan Çevikalp, Sergio Escalera, and Ferda Ofli. "Recurrent Neural Networks for Remote Sensing Image Classification." *IET Computer Vision* 12, no. 7 (2018): 1040–1045.
38. Muhammad Anwer Rao, Fahad Shahbaz Khan, Joost van de Weijer, Matthieu Molinier, and Jorma Laaksonen. "Binary patterns encoded convolutional neural networks for texture recognition and remote sensing scene classification." *ISPRS Journal of Photogrammetry and Remote Sensing* 138 (2018): 74–85.
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40. Pau Rodriguez Lopez, Miguel Angel Bautista, Sergio Escalera, and Jordi Gonzalez. "Beyond One-hot Encoding: lower dimensional target embedding." *Image and Vision Computing* 75 (2018): 21–31.

41. Pichao Wang, Wanqing Li, Philip Ogunbona, Jun Wan, and Sergio Escalera. "RGB-D-based Human Motion Recognition with Deep Learning: A Survey." *Computer Vision and Image Understanding* 171 (2018): 118–139.
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2. Fernando Vilariño, Dimosthenis Karatzas, and Alberto Valcarce. "The Library Living Lab Barcelona: A participative approach to technology as an enabling factor for innovation in cultural spaces". *Technology Innovation Management Review*. 2018.
3. Marçal Rusiñol, and Lluís Gomez. "Avances en clasificación de imágenes en los últimos diez años. Perspectivas y limitaciones en el ámbito de archivos fotográficos históricos". *Revista anual de la Asociación de Archiveros de Castilla y León*. Vol. 21. 2018.
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10.5 International Conferences (66)

1. Abel Gonzalez Garcia, Davide Modolo, and Vittorio Ferrari. "Objects as context for detecting their semantic parts." In *31st IEEE Conference on Computer Vision and Pattern Recognition*, 6907–6916., 2018.
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4. Akhil Gurram, Onay Urfalioglu, Ibrahim Halfaoui, Fahd Bouzaraa, and Antonio Lopez. "Monocular Depth Estimation by Learning from Heterogeneous Datasets." In *IEEE Intelligent Vehicles Symposium*, 2176–2181., 2018.

5. Albert Clapes, Ozan Bilici, Dariia Temirova, Egils Avots, Gholamreza Anbarjafari, and Sergio Escalera. "From apparent to real age: gender, age, ethnic, makeup, and expression bias analysis in real age estimation." In *IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops*, 2373–2382., 2018.
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16. Esmitt Ramirez, Carles Sanchez, Agnes Borrás, Marta Diez Ferrer, Antoni Rosell, and Debora Gil. "Image-Based Bronchial Anatomy Codification for Biopsy Guiding in Video Bronchoscopy." In *OR 2.0 Context-Aware Operating Theaters, Computer Assisted Robotic Endoscopy, Clinical Image-Based Procedures, and Skin Image Analysis*. Vol. 11041. LNCS., 2018.
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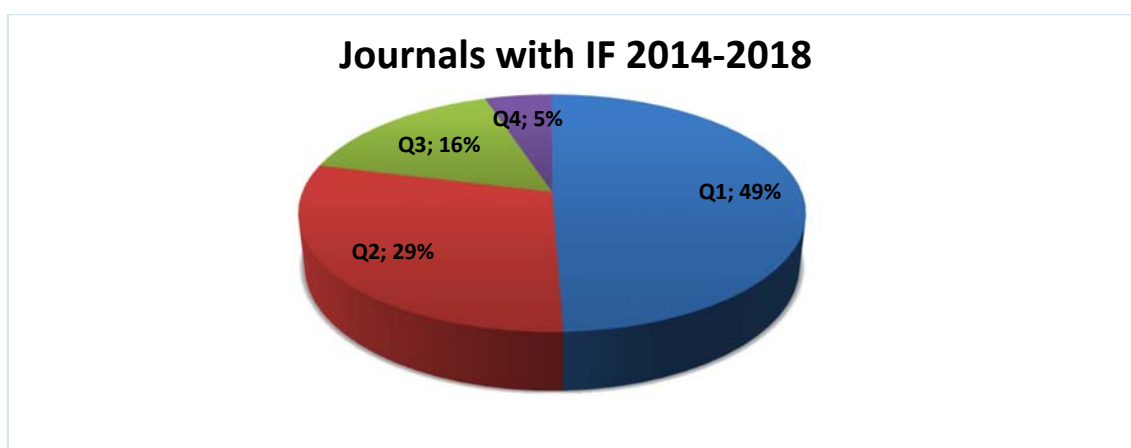
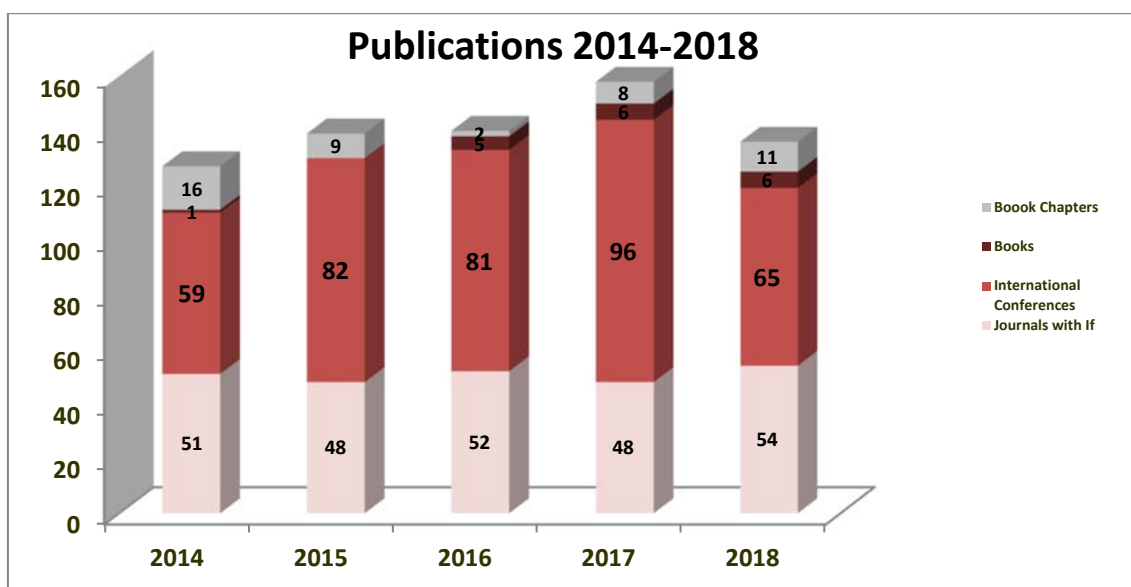
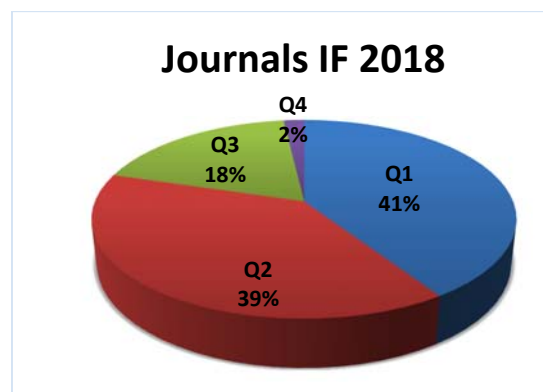
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Fact Sheet - Publications

Publications 2018	Number
IF Journals	54
Journals	4
International Conferences	66
Books	6
Books Chapters	11
Miscellanea	18



10. Chairships and Organization of Conferences, Workshops and other research and dissemination activities

Tutorial on "Deep Learning and Applications to Activity Recognition from Egocentric Photostreams", at Applications of Intelligent Systems Conference (APPIS'18)

Organizer: **Dr. Petia Radeva**

Place: Las Palmas de Gran Canaria (Spain)

Date: January 9, 2018.

<http://appis.webhosting.rug.nl/2018/tutorials-9-january/>

IEEE Winter Conference on Applications of Computer Vision, WACV

(co)Area Chairs: **Dr. Sergio Escalera, Dr. Bogdan Raducanu**

Place: Lake Tahoe, NV (USA)

Date: March 12-14, 2018

<http://wacv18.wacv.net/>

Communities of Interest in Robotics: UAB's Robotics Living Lab, Parallel Workshop of STEAMCONF Barcelona 2018, 4th International Education Conference

Workshop Coordinator: **Dr. Fernando Vilariño**

Place: Barcelona

Date: April 20, 2018

<https://2018.steamconf.com/en/workshops/>

13th IAPR International Workshop on Document Analysis Systems

Discussion Group (co)Chair: **Dr. Alicia Fornés**

Place: Vienna (Austria)

Dates: April 24 to 27, 2018

<https://das2018.cvl.tuwien.ac.at/en/>

13th IEEE Conference on Automatic Face and Gesture Recognition (2018 FG)

(co)Area Chair: **Dr. Sergio Escalera**

Place: Xi'an (China)

Date: May 15-19, 2018

<https://fg2018.cse.sc.edu/index.html>

Workshop on Autonomous Driving, in conjunction with CVPR 2018

(co)Organizer: **Dr. Antonio M. López**

Place: Salt Lake City, UT (USA)

Date: June 18, 2018

http://cvpr2018.thecvf.com/files/CVPR_2018_Pocket_Guide_Workshops_Tutorials_Final_merge_d_.pdf

Women in Computer Vision (WiCV 2018), in conjunction with CVPR 2018

(co)Organizer: **Dena Bazazian**

Place: Salt Lake City, UT (USA)

Date: June 22, 2018

<https://wicvworkshop.github.io/CVPR2018/index.html>

High-Performance Graphics 2018

Poster Chair: **Dr. José Antonio Iglesias**

Place: Strasbourg (France)

Date: July 8-10, 2018

<https://www.highperformancegraphics.org/2019/>

X Conference on Articulated Motion and Deformable Objects (AMDO 2018)

(co) Organizer: **Dr. Sergio Escalera**

Place: Palma, Mallorca

Dates: July 12-13, 2018

<http://amdo2018.uib.es/>

AERFAI Summer Lectures & Colloquium on Deep Learning for Computer Vision

Organizers: AERFAI and CVC

Place: Barcelona

Date: July 17-18, 2018

<http://www.cvc.uab.es/aerfai/>

Computer Graphics for Autonomous Driving Applications Workshop, in conjunction with SIGGRAPH 2018

Organizers: **Dr. José Antonio Iglesias** and **Dr. Antonio M. López**

Place: Vancouver (Canada)

Date: August 12-16, 2018

<https://s2018.siggraph.org/conference/acm-siggraph-sunday-workshops/sunday-workshop-computer-graphics-autonomous-driving-applications/>

The Manifesto for Innovation in Europe, Open Living Lab Days

(co)Organizer: **Dr. Fernando Vilariño**

Place: Geneva (Switzerland)

Date: August 24, 2018

International Conference on Pattern Recognition (ICPR 2018)

Contest (co)Chair: **Dr. Dimosthenis Karatzas**

Area (co)Chair Track 2 Computer Vision: **Dr. Antonio López**

Area (co)Chairs Track 5 Document Analysis and Recognition: **Dr. Alicia Fornés** and **Dr. Dimosthenis Karatzas**

Area (co)Chair Track 6 Biomedical Imaging and Bioinformatics: **Dr. Petia Radeva**

Place: Beijing (China)

Date: August 20-24, 2018

<http://www.icpr2018.org/index.php?m=content&c=index&a=lists&catid=42>

2018 Multimedia Information Processing for Personality & Social Networks Analysis Workshop, ICPR 2018

Co-Organizer: **Dr. Sergio Escalera**

Place: Beijing (China)

Date: August 20, 2018

<http://chalearnlap.cvc.uab.es/workshop/28/description/>

29th British Machine Vision Conference (BMVC 2018)

Area (co)Chair: **Dr. Sergio Escalera**

Place: New Castle, UK

Date: September 3-6, 2018

<http://bmvc2018.org/index.html>

Ai4all, Course on Intel·ligència artificial aplicada a la Indústria, organized by Parc de Recerca UAB, CVC and Escola d'Enginyeria UAB

Place: UAB

Date: September 7 to December 20, 2018

<http://www.ai4all.cat/>

Workshop Institutional Communication: a strategy game (Comunicació institucional: un joc d'estratègia), in Campus Gutenberg

(co)Organizer: **Alexandra Canet**

Place: Cosmocaixa, Barcelona

Date: September 17, 2018

<https://gutenberg.bsm.upf.edu/wp-content/uploads/2014/07/Programa-DEFINITIVO.pdf>

European Conference on Computer Vision (ECCV 2018)

Area (co)Chair: **Dr. Joost van de Weijer**

Place: Munich (Germany)

Date: September 8-14, 2018

<https://eccv2018.org/>

Women in Computer Vision (WiCV 2018), in conjunction with CVPR 2018

(co)Organizer: **Dena Bazazian**

Place: Munich (Germany)

Date: September 9, 2018

<https://wicvworkshop.github.io/ECCV2018/>

Workshop on Transferring and Adapting Source Knowledge in Computer Vision (TASK-CV), in conjunction with ECCV 2018

Co-organizer: **Dr. Antonio López**

Place: Munich (Germany)

Date: September 14, 2018

<https://sites.google.com/view/task-cv2018/home>

2018 Chalearn Looking at People, Satellite Workshop ECCV

Organizers: **Dr. Sergio Escalera, Dr. Meysam Madadi**

Place: Munich (Germany),

Date: September 9, 2018

<http://chalearnlap.cvc.uab.es/workshop/29/description/#>

Gastrointestinal Image ANALysys Sub-Challenge GIANA 2018, part of the MICCAI 2018 Endoscopic Vision Challenge – EndoVis Challenge

Sub-Challenge (co)Chair: **Dr. Jorge Bernal**

Place: Granada (Spain)

Date: September 16, 2018

<https://giana.grand-challenge.org/Home/>

5th Annual Catalan Meeting on Computer Vision (ACMCV 2018)

(co)Organizers: **Dr. Maria Vanrell** and **Dr. Lluís Gómez**

Place: Barcelona

Date: September 20, 2018

<http://acmcv.cat/>

2nd Workshop on Digital Image Processing for Medical and Automotive Industry (DIPMAI 2018),
in conjunction with 20th International Symposium on Symbolic and Numeric Algorithms for
Computing (SYNASC 2018)

Scientific (co)Chair: **Dr. Debora Gil**

Place: Timisoara (Romania)

Date: September 20-23, 2018

<https://synasc.ro/2018/workshops/dipmai-2018/>

Inteligencia Artificial, ética y participación ciudadana. Diálogos ciudadanos y ciclo de debates

Organizer: **Alexandra Canet**

Place: Palau Macaya, Barcelona

Dates: from October 2018 to March 2019

<http://iabcn.cvc.uab.es/>

*Living Labs for transnational collaboration in the EU framework, European Week of Cities and
Regions*

Organizer: **Dr. Fernando Vilariño**

Place: Brussels (Belgium)

Date: October 9, 2018

XVIII Conference of the Spanish Association for Artificial Intelligence (CAEPIA)2018

Area Chair of Computer Vision and Robotics: **Dr. Petia Radeva**

Place: Granada (Spain)

Date: October 26, 2018

<https://sci2s.ugr.es/caepia18/inicio.html>

*The European Network of Living Lab beyond the Manifesto for Innovation in Europe, 2nd
Innovation Camp*

Organizer: **Dr. Fernando Vilariño**

Place: Cluj (Romania)

Date: October 27, 2018

CIC26 Twenty-sixth Color and Imaging Conference 2018

Technical Program (co)Chair: **Dr. Maria Vanrell**

Place: Vancouver, BC, Canada

Date: November 12-16, 2018

https://www.imaging.org/Site/IST/Conferences/CIC/CIC2018/CIC2018_Home.aspx?WebsiteKey=6d978a6f-475d-46cc-bcf2-7a9e3d5f8f82&hkey=7144057f-3cfe-4782-8302-f3c5d6352a27&CIC25_Sections=9#CIC25_Sections

Living Labs for Citizen Science, ECSITE workshop

Organizer: **Dr. Fernando Vilariño**

Place: Barcelona

Date: November 16, 2018

NeurIPS 2018 Thirty-second Conference on Neural Information Processing Systems

Demonstration and Competition (co)Chairs: **Dr. Sergio Escalera**

Place: Montreal (Canada)

Date: December 3-8, 2018

<https://nips.cc/Conferences/2018>

NeurIPS 2018 Competition Track Day, in NeurIPS 2018

(co)Chair: **Dr. Sergio Escalera**

Place: Montreal (Canada)

Date: December 7-8, 2018

<https://nips.cc/Conferences/2018>

<https://nips.cc/Conferences/2018/Schedule?showEvent=10946>

Machine Learning Competitions "in the wild", NeurIPS 2018 Workshops

Workshop (co)Chair: **Dr. Sergio Escalera**

Place: Montreal (Canada)

Date: December 8, 2018

<http://ciml.chalearn.org/ciml2018>

Deep Learning Barcelona Symposium 2018

(co)Chairs: **Dr. Sergio Escalera, Dr. Dimosthenis Karatzas, Dra. Petia Radeva**

Place: Barcelona (Spain)

Date: December 20-21, 2018

<https://sites.google.com/view/dlbcn2018/home>

11. Awards

ICREA Academia Award 2018, Dr. Sergio Escalera and Dr. Antonio M. López

Aurora Pons-Porrata Award 2018, to Dr. Maria Vanrell

Madrid, November 19-22, 2018

<http://atvs.ii.uam.es/ciarp2018/awards.html>

Fons de Valorització, given by the Fundació Bosch i Gimpera, for the LogMeal project of Dr. Petia Radeva. Barcelona, January 18, 2018

Best Scientific Paper Award (BSPA), Track 5: Document Analysis and Recognition, in the 24th International Conference on Pattern Recognition (ICPR 2018).

Authors: Pau Riba, Andreas Fischer, Dr. Josep Lladós and Dr. Alicia Fornés, for the paper “Learning Graph Distances with Message Passing Neural Networks”

Best PhD of the UAB EngIneerling School, 2018, to the dissertation “Multi-modal Pedestrian Detection”, by Alejandro Gonzalez. PhD Supervisor: Dr. Antonio M. López

Third Prize in the Baidu Star Competition 2018, to Xialei Liu for the “Crowd Counting in Complex Environments”

Beijing (China), 2018

12. Editorship

- **Dr. Dimosthenis Karatzas**, Editorial Board Member, *IPSN Transactions on Computer vision and Applications*, (2015 – Present)
- **Dr. Jordi González**, Associate editor of *IET Computer Vision*
- **Dr. Jordi González**, Area Editor of *Computer Vision and Image Understanding*
- **Dr. Sergio Escalera**, Guest Editor Special Issue “Inpainting, Denoising and Unsupervised Learning”, *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 2018-2019
- **Dr. Sergio Escalera**, Guest Editor Special Issue “Machine Learning Methods Neural Networks applied to Vision and Robotics (MLMNVR)”, *Expert Systems*, April 2018
- **Dr. Sergio Escalera**, Guest Editor Special Issue “LaP: Analyzing Human Behavior from Social Media Data”, *International Journal on Computer Vision*, 2018-2019
- **Dr. Sergio Escalera**, Guest Editor Special Issue “Human Abnormal Behavioural Analysis”, *Machine Vision and Applications*, 2017-2019
- **Dr. Alicia Fornés**, Associate Editor of *Pattern Recognition*, 2018
- **Dr. Antonio M. López**, Editor of the journal *Sensors*, 2018
- **Dr. Antonio M. López**, Editor of the Special Issue on “Synthetic Visual Data”, *International Journal of Computer Vision (IJCV)*, 2018
- **Dr. Josep Lladós**, Associate Editor of *Pattern Recognition*, 2018
- **Dr. Meysam Madadi**, Guest Editor Special Issue “Inpainting, Denoising and Unsupervised Learning”, *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 2018-2019
- **Dr. Xavier Otazu**, Editor of the Research Topic “Integrating Visual System Mechanisms, Computational Models and Algorithms/Technologies”, *Frontiers in Neuroscience, Frontiers in Computational Neuroscience, Frontiers in Bioengineering and Biotechnology*
- **Dr. Xavier Otazu**, Editor of the journal *ELCVIA – Electronic Letters on Computer Vision and Image Analysis*
- **Dr. Petia Radeva**, Associate Editor of *Pattern Recognition*, 2018
- **Dr. Petia Radeva**, Associate Editor of *Journal of Visual Communication and Image Representation*, 2018
- **Dr. Angel Sappa**, Guest Editor Special Issue on Advances in Infrared Imaging: Sensing, Exploitation and Applications, *Sensors*, June 2018
- **Dr. Angel Sappa**, Guest Editors Special Issue on Autonomous Driving and Driver Assistance Systems, *Robotics and Autonomous Systems*, 2018-2019
- **Dr. Joost van de Weijer**, Associate Editor of *Computer Vision and Image Understanding*, 2016-2019

13. Service to the Community

- **Dr. Sergio Escalera**
 - Chair of IAPR Technical Committee 12 “Multimedia and visual information systems”, (2016-2018)
- **Dr. Dimosthenis Karatzas**
 - Chair of the IAPR Technical Committee 11 “Reading Systems”, (2018 - present)
 - Member of IAPR Education Committee (2016 – present)
- **Dr. Josep Lladós,**
 - Chair of the IAPR Education Committee
 - Member of the IAPR Industrial Liasion Committee (2016-present)
- **Dr. Petia Radeva**
 - Member of IAPR Fellow Committee (2016-present)
 - Member of the Aurora Pons Porrata Awarding Committee 2017
 - Vice-chair of FET-OPEN - FETOPEN-01-2018-2019-2020: FET-Open Challenging Current Thinking
- **Dr. Alicia Fornés**

Chair of IAPR’s Technical Committee 10 on Graphics Recognition