

Raul Parada Medina

Curriculum Vitae

PERSONAL DETAILS

<i>Birth</i>	February 3rd, 1984
<i>Address</i>	Gavà, Barcelona, Spain
<i>Phone</i>	669 70 57 99
<i>Email</i>	raul.parada.medina@gmail.com
<i>Website</i>	www.rparada.com
<i>Skype</i>	rparadam

EDUCATION

PhD. in Information and Communication Technologies Sep.2012-Mar.2016

*Universitat Pompeu Fabra (Department of Information and Communication Technologies)
Barcelona, Spain*

Teacher assistant in Telecommunications and Radiocommunications. Interest on RFID technology, machine learning and antenna design. The main task was designing intelligent systems by applying machine learning techniques. This PhD was funded from an awarded and competitive fellowship.

MSc. in Telecommunications Aug.2010-Sep.2012

*Technical University of Denmark
Kongens Lyngby, Copenhagen, Denmark*

Graduated in master of science degree about telecommunications. Interest on wireless and mobile communications, and network simulations. After the master degree a strong skill on cellular networks was acquired. The master thesis was about dynamically allocate resources with LTE running network simulations. I was accepted to study at Technical University of Denmark where all courses were covered by the university.

BSc. in Telecommunications (Telematics) Sep.2003-Jul.2008

*Universitat Politècnica de Catalunya
Castelldefels, Barcelona, Spain*

Graduated in degree about telecommunications. A strong background about telecommunication basis was acquired during this period. During my bachelor period, I had to combine work and studies in order to pay the enrollment yearly.

Diploma Thesis in Telecommunications Oct.2007-Jun.2008

*Vienna University of Technology
Vienna, Austria*

Final project degree on network protocol simulation. The diploma thesis was about simulating the Spanning Tree protocol using OPNET. I was awarded with a mobility grant to perform my diploma thesis abroad.

WORK EXPERIENCE

R&D Researcher

Nov.2018-Jan. 2019

REM Device S.p.A., Full-time

Nove, Italy

Researcher on Industrial RF equipment for Industry 4.0 environments.

RF Researcher

Jul.2018-Sep.2018

Unox S.p.A., Full-time

Padova, Italy

Researcher on RF microwave technologies for cooking applications. It requires the design of suitable antenna for very harsh environments.

Post-doctoral Researcher

Jun.2016-Jun.2018

Università degli Studi di Padova, Full-time

Padova, Italy

Researcher on implementing machine learning techniques on cellular and wireless sensor networks. The main task is to use both supervised and unsupervised techniques to obtain flexible and adaptable networks.

Course Instructor

Sep.2015-Present

Universitat Oberta de Catalunya, Freelance

Barcelona, Spain

Supervise master and diploma thesis about RFID and other wireless technologies. I have supervised tens of master/diploma thesis related to communication systems.

Predocctoral Researcher

Sep.2012-Mar.2016

Universitat Pompeu Fabra, Full-time

Barcelona, Spain

Researcher on RFID technologies applications applying machine learning techniques, and RFID antenna designer. This PhD was funded from an awarded and competitive fellowship. My research included the collaboration with the industry.

Software tester

Feb.2012-Sep.2012

Cobham, Part-time

Kongens Lyngby, Copenhagen, Denmark

Tester on latest software versions for satellite functionalities. I dealt with complex systems and disruptive technologies.

Wimax Deployment Engineer

Mar.2009-Aug.2010

Eurona Telecom, Full-time

Barcelona, Spain

Engineer on deploying new Wimax networks and pre-sale services to companies. I did lead multiple technician teams simultaneously to achieve a common goal.

Helpdesk engineer

Jun.2008-Mar.2009

U-PROMS, Full-time

Hospitalet de Llobregat, Barcelona, Spain

Engineer on solving computer and network technical issues to clients. I dealt with companies and solved technical issues remotely or in situ.

Internship

Feb.2007-Aug.2007

Universitat Oberta de Catalunya (IN3), Part-time

Castelldefels, Barcelona, Spain

R&D researcher on simulating and improving their network architecture. I have learned new tools to start my career as an engineer.

SKILLS

<i>Languages</i>	Spanish (mother tongue) Catalan (mother tongue) English (fluent) Italian (intermediate)
<i>Software</i>	MATLAB, L ^A T _E X, ANSYS, OPNET MODELER, R, 4NEC2, PYTHON, NS3
<i>Hardware</i>	NETWORK ANALYZER, ASSEMBLING COMPUTERS AND SERVERS, ANTENNA DESIGN

PUBLICATIONS

JCR Journal Articles

- 2017 Raúl Parada**, Joan Melià-Seguí and Rafael Pous, “*Anomaly Detection using RFID-based Information Management in an IoT context*”, Journal of Organizational and End User Computing (JOEUC), 2018.
- 2017 Raúl Parada**, Daniel Cárdenes-Tacoronte, Carlos Monzo and Joan Melià-Seguí, “*Internet of THings Area Coverage Analyzer (ITHACA) for complex topographical scenarios*”, MDPI Symmetry Journal. Special Issue ”Applications of the Internet of Things”, 2017.
- 2016 Raúl Parada** and Joan Melià-Seguí, “*Gesture detection of passive RFID tags to enable people-centric IoT applications*”, Special Issue on People-Centric Internet of Things in IEEE Communications Magazine, IEEE, (Volume:55 Issue: 2) Page: 56-61, 2017.
- 2015 Raúl Parada**, Joan Melià-Seguí, Marc Morenza-Cinos, Anna Carreras and Rafael Pous, “*Using RFID to Detect Interactions in Ambient Assisted Living Environments*”, Intelligent Systems, IEEE, vol. 30, no. 4, pp. 16-22, 2015.

Peer-Reviewed Conference Papers

- 2018 Hossein Soleimani, Raúl Parada**, Stefano Tomasin and Michele Zorzi, “*Statistical Approaches for Initial Access in mmWave 5G Systems*”, Full paper In 24th European Wireless, May 2018.
- 2018 Raúl Parada** and Michele Zorzi, “*Context-aware handover in mmWave 5G using UE’s direction of pass*”, Full paper In 24th European Wireless, May 2018.
- 2017 Davide Zordan, Raúl Parada**, Michele Rossi and Michele Zorzi, “*Automatic Rate-Distortion Classification for the IoT: Towards Signal-Adaptive Network Protocols*”, Full paper In IEEE Globecom in the Republic of Singapore, December 2017.
- 2017 Raúl Parada** and Michele Zorzi, “*Cell discovery based on historical user’s location in mmWave 5G*”, Full paper In 23th European Wireless, May 2017.

- 2016 Raúl Parada**, Kamruddin Nur, Joan Melià-Seguí and Rafael Pous, “*Smart Surface: RFID-based gesture recognition using k-means algorithm*”, Full paper In 12th International Conference on Intelligent Environments, Middlesex University in London, UK, September 2016.
- 2016 Raúl Parada**, Joan Melià-Seguí and Rafael Pous, “*Evaluation and Industrial deployment of an RFID spring-based reader antenna*”, Note In 10th Annual IEEE International Conference on RFID, Orange County Convention Center, Orlando, FL, May 2016.
- 2015 Raúl Parada**, Joan Melià-Seguí, Anna Carreras , Marc Morenza-Cinos and Rafael Pous, “*Measuring User-Object Interactions in IoT Spaces*”, Full paper In 6th Annual IEEE International Conference on RFID Technology and Applications, TOKYO BIG SIGHT, Tokyo, Japan, September 2015.

Posters , Demos & Workshops

- 2016 Raúl Parada**, Joan Melià-Seguí and Rafael Pous, “*RFID-based People-object Direction of Pass Detection*”, Workshop In 12th International Conference on Intelligent Environments, Middlesex University in London, UK, September 2016.
- 2015 Raúl Parada**, Joan Melià-Seguí, Anna Carreras , Marc Morenza-Cinos and Rafael Pous, “*Measuring User-Object Interactions in IoT Spaces*”, Paper & Demo In 6th Annual IEEE International Conference on RFID Technology and Applications, TOKYO BIG SIGHT, Tokyo, Japan, September 2015. Note: Best Poster Silver Prize Award.
- 2015 Raúl Parada**, Joan Melià-Seguí, Marc Morenza-Cinos, Anna Carreras and Rafael Pous, “*Towards Measuring User-Object Interaction in IoT Spaces*”, Poster & Demo In 9th Annual IEEE International Conference on RFID, San Diego Convention Center, San Diego, CA, April 2015. Note: Awarded at Doctoral Student Workshop at DTIC, UPF.
- 2013 Raúl Parada**, Anna Carreras, Joan Melià-Seguí and Rafael Pous, “*Study of a Monopulse System with RFID Antennas for Applications Oriented to Retail Industry*”, Proceedings of the 2013 ACM Conference on Pervasive and Ubiquitous Computing Adjunct Publication, ACM, New York, NY, USA, pp. 279-282, 2013.
- 2013** Joan Melià-Seguí, Rafael Pous, Anna Carreras, Marc Morenza-Cinos, **Raúl Parada**, Zeinab Liaghat and Ramir De Porrata-Doria, “*Enhancing the Shopping Experience Through RFID in an Actual Retail Store*”, Proceedings of the 2013 ACM Conference on Pervasive and Ubiquitous Computing Adjunct Publication, ACM, New York, NY, USA, pp. 1029-1036, 2013.

PROJECTS

Technology-Enabled Independent Shopping for the Visually or Mobility Impaired,
Obra Social la Caixa - ACUP, Reference: 2011ACUP00261

E-Centric: an energy-centric optimization framework for IoT nodes, Intel

Technological director at Parkinsons, Spain

TEACHING

Academic Courses

Degree	Subject	Course	Credits	University
Grau en Enginyeria de Telemàtica	Principis de Telecomunicació	12/13	4	UPF
	Radiocomunicacions		4	
	Principis de Telecomunicació	13/14	4	
	Radiocomunicacions		4	
	Radiocomunicacions	14/15	4	
Radiocomunicacions	15/16	4		
Grau en Enginyeria en Informàtica	Co-supervision TFG	14/15	30	UPF
Grau en Enginyeria de Sistemes Audiovisuals i Grauen Enginyeria de Telemàtica	Co-supervision TFG (double degree)		30	
Grau en Enginyeria de Sistemes Audiovisuals	Co-supervision TFG		15	
Grau en Tecnologies de la Telecomunicació	Electrònica de comunicacions	16/17-2	6	UOC
Grado en Tecnologías de la Telecomunicación	Electrónica de comunicaciones		6	
Grau en Tecnologies de la Telecomunicació	Electrònica de comunicacions	17/18-2	6	
Grado en Tecnologías de la Telecomunicación	Electrónica de comunicaciones		6	
Máster en Ingeniería de Telecomunicación	TFM- Sistemas de comunicación	15/16-1	12	
Master en Enginyeria de Telecomunicació	TFM-Sistemes de comunicació		24	
Máster en Ingeniería de Telecomunicación	TFM- Sistemas de comunicación	15/16-2	24	
Master en Enginyeria de Telecomunicació	TFM-Sistemes de comunicació	16/17-1	12	
Máster en Ingeniería de Telecomunicación	TFM- Sistemas de comunicación		12	
Master en Enginyeria de Telecomunicació	TFM-Sistemes de comunicació	17/18-1	12	
Máster en Ingeniería de Telecomunicación	TFM- Sistemas de comunicación		12	
Grau en Tecnologies de la Telecomunicació	TFG-Sistemes de comunicació		12	
Máster universitatio en ciencia de datos	TFM-Ciencia de datos	17/18-2	12	
Máster en Ingeniería de Telecomunicación	TFM- Sistemas de comunicación		36	
Máster universitatio en ciencia de datos	TFM-Ciencia de datos	18/19-1	24	
Máster en Ingeniería de Telecomunicación	TFM- Sistemas de comunicación		96	
Grau en Tecnologies de la Telecomunicació	TFG- Sistemes de comunicació		24	

Diploma and Master Thesis Supervision

Type	Title	Student	Course	University
TFG	UOC Network Media Player	Ramon Haro Marqués	18/19-1	UOC
	Monitorización del comportamiento porcino mediante tecnología RFID para la prevención de pérdidas	Rubén Molina Casasnovas	17/18-1	UOC
	SmartInteraction: Visualització a temps real de la interacció amb objectes etiquetats amb RFID	Aleix Claramunt Molet	14/15	UPF
	RFID Smartcart: RFID Enabled trolley for shopping and shelving	Daniel Boada Navarrete	14/15	UPF
	RFID Smart card and context aware products push notifications to smartphone	Alexandre Genís Ball López	14/15	UPF
	Gestos Inteligentes: Reconocimiento de gestos aplicando la tecnología RFID	Sergio Tutor Nistal	14/15	UPF
TFM	Sistema de monitorización de flujo ciudadano mediante el uso de WiFi y LoRaWAN	Adrián Delgado Bajo	18/19-1	UOC
	Regulación de tráfico mediante semáforos inteligentes empleando microcontroladores Arduino	Carlos González García	18/19-1	UOC
	DocuSystem Tartanga	Egoitz Ander Larrea Casado	18/19-1	UOC
	Métodos de bajo coste para el ajuste de filtros en sistemas Private Mobile Radio	Eloy Pellicer Frasquet	18/19-1	UOC
	Diseño de una Smart UCI para la monitorización de pacientes	Jorge Alarcó Pérez	18/19-1	UOC
	Diseño de una estación de transmisión por satélite D-SNG para señales audiovisuales de contribución ocasional en formato UHD TV-1	Juan Manuel Roldán Tejado	18/19-1	UOC
	Uso de etiquetas NFC en supermercados para personas con baja visión	María Victorina Fernández San Román	18/19-1	UOC
	Anàlisi i disseny dels Sistemes d'Informació i la Infraestructura Tecnològica associada pel Sistema de Imatge Diagnòstica (PACS) d'un Hospital Universitari	Xavier Grau i Corral	18/19-1	UOC
	Metodología y herramientas para evaluar el estado inicial de una flota eólica en base a un conjunto estático de datos históricos del SCADA del parque eólico	Irati Boda Ezeiza	18/19-1	UOC
	Anàlisi predictiu del volum d'aigua en embassaments catalans	Jordi Font i Marcé	18/19-1	UOC
	Análisis predictivo de datos abiertos sobre el uso turístico del servicio público de alquiler de bicicletas de Nueva York: una perspectiva desde la Ciencia de Datos	Carlos E. Jiménez Gómez	17/18-2	UOC
	Diseño de una WSN para la estimación del seeing de la cúpula D080, en el Observatorio Astrofísico de Javalambre	Sergio Rueda Teruel	17/18-2	UOC
	Business Wallet Cards: app en Android para compartir tarjetas de visita digitales inalámbricamente	Jorge Lavin Montoro	17/18-2	UOC

Type	Title	Student	Course	University
TFM	Control de acceso NFC mediante autorización biométrica con smartphone	Antonio Ortega Pérez	17/18-2	UOC
	Analysis and study of data security in the Internet of Things paradigm from a Blockchain Technology approach	David Rull Aixa	17/18-1	UOC
	Análisis y estudio de soluciones para fronthaul radio	Javier Madrazo Lorite	17/18-1	UOC
	Control inteligente del perfil glucémico para diabéticos	León Francisco Garzón Mohammed	16/17-1	UOC
	Control Automático de temperatura en cadena de Frío mediante tecnología RFID	José Vázquez Mouzo	16/17-1	UOC
	Diseño e implementación de una herramienta para la verificación de cobertura de la red SIGFOX. Estudio de conectividad en una zona geográfica de orografía compleja	Daniel Cárdenes Tacoronte	15/16-2	UOC
	Gestión de alimentos en el hogar mediante RFID	Alfonso Palazón González	15/16-2	UOC
	Disseny, implementació i estudi econòmic d'un sistema de detecció de vaixells de baix consum basat en un sensor d'ultrasons utilitzant la xarxa UNB de Sigfox com a mitjà de comunicació	Josep Agustí López	15/16-1	UOC
	Smart store with shopping assistant system	Jordi Tuset Mena	15/16-1	UOC
	Sistema de localización mediante tecnología RFID	Sergio Díaz Molinera	15/16-1	UOC

GRANTS

- Submission of two research projects to Marie Skłodowska-Curie Actions-Individual Fellowship through Department of Information Engineering at University of Padova and Universitat Oberta de Catalunya (rejected [feedback available upon request]).
- Submission of a research project as Principal Investigator about Intelligent Tutor Systems at Universitat Oberta de Catalunya (rejected [feedback available upon request]).
- Post-doc grant from Department of Information Engineering at University of Padova for the project entitled “ Networking and protocol issues in 5G millimeter wave cellular systems” of two years duration (2016-2018).
- Travel grant from Departament de Tecnologies de la Informació i les Comunicacions (PIPF2U) at Universitat Pompeu Fabra for one travel (2015).
- PhD fellowship from Entitat finaçadora: Departament de Tecnologies de la Informació i les Comunicacions (PIPF2U) at Universitat Pompeu Fabra for 3 years (plus one) (2012-2016).
- Master grant from Technical University of Denmark for two years (2010-2012).
- English language school for three weeks at Malvern House London (2008)
- Erasmus program grant from Agència de Gestió d’Ajuts Universitaris i de Recerca (AGAUR) at Universitat Politècnica de Catalunya for one year (2007-2008).

PARTICIPATION IN INSTITUTIONAL TASKS TO IMPROVE TEACHING

- Volunteer at XVIII Edició de la prova Cangur
- Volunteer at XIX Edició de la prova Cangur.
- 3rd Morning Symposium on Teaching Innovation & Quality at ESUP/DTIC - UCA EiTIC, 2016 (3.5 hours)
- El Centre per la Qualitat i la Innovació Docent (CQUID) curs: Pissarra digital interactiva (PDI): funcionament i ús didàctic, 2013 (2 hours)
- El Centre per la Qualitat i la Innovació Docent (CQUID) curs: Metodologies docents per a l’ensenyament en seminaris, tutories i pràctiques (6 hours)
- El Centre per la Qualitat i la Innovació Docent (CQUID) Curs i sessió de coaching per optimitzar el teu estil docent (12 hours)

PARTICIPATION IN TASKS OF PROMOTION, EVALUATION AND DISSEMINATION OF TEACHING QUALITY

- Formació UOC. Creació o adaptació de videos per a una docència inclusiva, 2016
- Formació UOC.Feedback formativo: retos y oportunidades, 2016
- 3rd Morning Symposium on Teaching Innovation & Quality at ESUP/DTIC - UCA EiTIC, 2016 (3.5 hours)

- Certificats Click sessió seminari: “Qué necesitas saber para dar clases en el DTIC/ESUP (EiTIC)”, 2013
- Centre per a la Qualitat i la Innovació Docent (CQUID) curs online: ”Disseny de rúbriques per a l’avaluació de competències”, 2016
- Centre per la Qualitat i la Innovació Docent (CQUID) curs: ”Methodology for English Medium Instruction (EMI)”, 2014 (15 hours)
- Centre per la Qualitat i la Innovació Docent (CQUID) curs: ”Eines per avaluar les teves publicacions: factor d’impacte, quartil, index h, etc. - Departament de Comunicació”, 2013 (1.5 hours)
- Centre per la Qualitat i la Innovació Docent (CQUID) curs: ”Visualització de la informació: treballar amb dades i mostrar-les de manera gràfica”, 2013 (4 hours)
- Centre per la Qualitat i la Innovació Docent (CQUID) curs: Pissarra digital interactiva (PDI): funcionament i ús didàctic, 2013 (2 hours)
- Centre per la Qualitat i la Innovació Docent (CQUID) curs: Exprimint Twitter i LinkedIn per a la gestió de la Identitat Digital, 2013 (4 hours)
- Centre per la Qualitat i la Innovació Docent (CQUID) curs: Metodologies docents per a l’ensenyament en seminaris, tutories i pràctiques, 2013 (6 hours)
- Centre per la Qualitat i la Innovació Docent (CQUID) Curs i sessió de coaching per optimitzar el teu estil docent, 2013 (12 hours)
- Centre per la Qualitat i la Innovació Docent (CQUID) curs: Writing Academic Articles (amb experiència prèvia), 2013 (15 hours)

OTHER MERITS OR CLARIFICATIONS OF A SCIENTIFIC NATURE

- Silver award of best poster to the paper title “Measuring User-Object Interactions in IoT Spaces” al 6th Annual IEEE International Conference on RFID Technology and Applications in Tokio (Japan), 2015.
- Fifth award of best paper to the paper title “Towards Measuring User-Object Interaction in IoT Spaces” al 3rd Doctoral Student Workshop at Universitat Pompeu Fabra, 2015.
- Student volunteer International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp) and UbiComp in Zurich (Switzerland), 2013.
- Student volunteer at ACM Multimedia conference in Barcelona (Spain), 2013.
- Student volunteer at International Workshop on Reliable Networks Design and Modeling (RNDM) conference in Barcelona (Spain), 2014.
- Post-doctoral fellowship to research about mmWave technology at Università degli Studi di Padova for a two years period (06/16-06/18).
- Member of the Program Committee of the 1st International Workshop on Intelligent Systems for Agriculture Production and Environment Protection (ISAPEP’17) co-located in 13th International Conference on Intelligent Environments (IE’17) a Seoul (Republic of Korea).

- Member of the Program Committee of the 2nd International Workshop on Intelligent Systems for Agriculture Production and Environment Protection (ISAPEP'18) co-located in 14th International Conference on Intelligent Environments (IE'18) a Rome (Italy).

OTHER MERITS OR CLARIFICATIONS OF A TEACHING NATURE

- Committee member of the TFG “Módulo de gestión de oportunidades y actividades para una herramienta de fuerza de ventas en dispositivos iPad”, Author: Francisco Jesús Pérez Maya, Director:, Francis Casado, 2014 at UPF.
- Committee member of the TFG “Sistema de posicionamiento interno aplicado a dispositivos móviles”, Author: Albert Ortiz Escanez, Director: Ángel Díaz, 2013.
- Committee member of the TFG “Visual Interface for Wifi and Sensor Networks”, Author: Ferran Selva Rodríguez, Director: Jaume Barceló, 2014 at UPF.
- Committee member of the TFG “Assistència en una prestatgeria per a usuaris amb deficiències visuals i/o de mobilitat mitjançant computació ubiqua”, Author: Carles Xavier Vilas Berdie, Director: Anna Carreras and Joan Melià, 2014 at UPF.
- Committee member of the TFG “Mètode de localització d'objectes basat en la tecnologia RFID”, Author: Jordi Perez, 2014 at UPF. Lleberia, Director:, Joan Melià and Anna Carreras.
- Committee member of the TFG “Diseño y evaluación de una herramienta para la automatización de experimentos de RFID en escenarios de computación ubicua”, Author: Alejo Riera Llambias, Director: Anna Carreras and Joan Melià, 2014 at UPF.
- Committee member of the TFG “CabinetSearch: sistema de guía RFID para personas discapacitadas”, Author: Darío Lozano Villegas, Director: Anna Carreras and Joan Melià, 2014 at UPF.
- Committee member of the TFM “Reconocimiento de imágenes mediante Raspberry Pi”, Author: Rubén Palacios Sánchez, Director: Aleix López Antón, 2018 at UOC.
- Committee member of the TFM “Estudio de los sensores para la detección de obstáculos aplicables a robots móviles”, Author: Javier Colomer Barbera, Director: Aleix López Antón, 2018 at UOC.
- Committee member of the TFM “Control Electrónico de un ABS para Motocicletas. Estudio de la factibilidad de un control electrónico de un canal para ABS de motocicletas.”, Author: Victoriano Garcia Garcia, Director: Aleix López Antón, 2018 at UOC.
- Committee member of the TFM “Diseño de un BMS para baterías de tecnología Li-ion”, Author: Carlos Valdivia Miranda, Director: Aleix López Antón, 2018 at UOC.
- Committee member of the TFM “TOXICOM: Detección de mensajes tóxicos en medios sociales”, Author: Raúl Torné Alonso, Director: Ana Valdivia García, 2018 at UOC.

- Committee member of the TFM “Object Recognition in Images A Deep Learning Approach”, Author: Miguel Andrés Rodríguez Olmos, Director: Anna Bosch Rué, 2019 at UOC.
- Committee member of the TFM “Diseño y control domótico de un sistema de riego automático para un huerto urbano en el hogar”, Author: Antonio Bustos Lafuente, Director: Aleix López Antón, 2019 at UOC.
- Committee member of the TFM “Sistema monitor para personas dependientes”, Author: César López Bermúdez, Director: Aleix López Antón, 2019 at UOC.
- Committee member of the TFM “Sistema de control domótico para personas invidentes”, Author: Eriz Ferrero García, Director: Aleix López Antón, 2019 at UOC.
- Committee member of the TFM “Estudio del bus de comunicaciones CAN”, Author: Francisco Javier Blanco Curieses, Director: Aleix López Antón, 2019 at UOC.
- Committee member of the TFM “Course-Navette 2.0:Entrenador electrònic”, Author: Helena Pérez Forcada, Director: Aleix López Antón, 2019 at UOC.
- Committee member of the TFM “Comparativa Entre Motores Brushed y Brushless”, Author: Antonio J. Pascual Vega, Director: Aleix López Antón, 2019 at UOC.

FORMATION COURSES AND CERTIFICATIONS

- MOOC: Statistical Learning at Stanford University
- MOOC: The Data Scientist’s Toolbox at Coursera
- MOOC: Machine Learning at Coursera
- Curso emprendedor universitario at Universitat Pompeu Fabra, 2014
- Lecturer Professor from AQU. License number 0233S/2151/2017

SUMMARIZING

Achievements

Achievement	Number
Published peer review journals	4
Published peer review international conferences	7
Published peer review conference workshops, poster and demos	5
Presented scientific works publicly	11
Presented poster works publicly	3
Reviewed journals	18
Reviewed conference papers	3
Reviewed book chapters	1
Received awards	3
Received grants	9
Lecturer official certification (AQU)	1
Participated into scientific projects	5
Participated into industrial projects	30+
Taught bachelor courses	3
Supervised diploma thesis	6
Supervised master thesis	23
Max number of persons leaded in the same project	6
Volunteer in conferences	3
Program committee in conferences	2
Panel committee in diploma thesis	7
Panel committee in master thesis	12
Countries performing research tasks	4

REFERENCES

Prof. Joan Melià Seguí (PhD co-supervisor & Researcher partner)

Professor at Universitat Oberta de Catalunya - Barcelona

E-mail: melia@uoc.edu

Dr. Carlos Monzo Sánchez (Course coordinator)

Lecturer and academic degree coordinator at Universitat Oberta de Catalunya - Barcelona

E-mail: cmonzo@uoc.edu

Prof. Stefano Tomasin (Researcher partner)

Professor at Università degli Studi di Padova, Italy

E-mail: tomasin@dei.unipd.it