



# Jorge Casillas

Associate Professor

## Contacts

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🗉 vCard:



## Teaching

Since 2000 he has taught at the University of Granada on programming, algorithmics, metaheuristics, fuzzy control, intelligent robotics, machine learning and data science in Mathematics, Computer Engineering and Industrial Electronics Engineering in their different degrees, masters and doctorates.

He is currently a professor in the Official University Master's Degree in Data Science and Computer Engineering and in the Official Doctoral Program in Information and Communication Technologies of the University of Granada. He has taught in masters courses in Tunisia on fuzzy control (2005), of doctorate in Cuba on evolutionary fuzzy systems (2008) and of degree in Peru on data mining (2013).

Coordinates and participates in the teaching of the course "Data Science: A Practical Approach in the Era of Big Data" at the University of Granada which has been held four editions between 2016 and 2018 (<http://sci2s.ugr.es/CienciaDatosBigData>).

## Research

### Research interests

Within Artificial Intelligence, his main interests are focused on fuzzy systems, evolutionary algorithms, data science and big data, data stream mining, intelligent mobile robotics, and intelligent systems for marketing and business intelligence.

### Publications

He has published **41 articles** in scientific journals, 33 of them in journals indexed in the JCR (Thomson Reuters). Of these, 18 items in the first tertile according to the JCR impact index of both the SCI and SSCI areas. It has an **h-index of 17** in Web of Science (WoS) and 27 in Google Scholar (GS). In WoS it has 48 indexed publications and a total of 1000 citations received, which averages 23 citations per publication. In GS it has 20 publications that exceed 50 citations and accumulates more than **3500 citations**.

### R&D grants

He has participated, among others, in **3 European projects** (FP4 and H2020), 8 projects of the National R&D Plan, 1 project of the BBVA Foundation, 1 of the AECI and 3 projects of excellence of the Andalusian Government. Of these, he has been the coordinator or principal researcher of three projects (H2020, AECI and JA).

The last he coordinated of the H2020 (2014-2018) was on the modeling of energy efficiency in hospital centers. The project of the BBVA Foundation (2016-2018) in which he participated addressed the design of models and tools for preprocessing in big data.

## Qualifications

2001, PhD in Computer Science  
1998, Bachelor in Computer Science

## Professional Activity at the UGR

2018, accredited to Full Professor by ANECA  
2007-today, Associate Professor  
2005-2007, Untenured Associate Professor  
2001-2005, Assistant Professor  
2000-2001, Researcher Grant (Ministry of Science and Technology)  
1999-2000, Contracted Researcher (European Union)  
1997, Research Initiation Scholarship

## Academic Mgmt

2007-today, elected member of the Board of Teaching and Research Staff at UGR and its permanent commission  
2002-2004, elected member of the Senate and the Governing Council of the University of Granada

## Knowledge Transfer

2016, founder and CTO of Bigmind S.L. (<http://www.bigmind.es>), technology-based company dedicated to marketing + artificial intelligence

## Languages

English – high level (C1)  
French – low level

## Hobbies

Ski, tennis, diving, photography...

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## Other research activities

He has advised five PhD theses. He has participated in the organization of numerous scientific events, highlighting GFS 2005 (Granada), I and II LFSC 2005 (Granada) and 2007 (Zaragoza), ACIDCA-ICMI 2005 (Tunisia) and CAEPIA 2018 (Granada). In addition, he has been the General Chair of the two editions of the International Symposium on Management Intelligent Systems 2012 and 2013 (Salamanca), a pioneering conference in which he was the head of the organization.

He is a member of the Editorial Board of Evolutionary Intelligence magazine since its creation in 2008 and of Evolving Systems since 2014, both of Springer. He was the treasurer of the European Society for Fuzzy Logic and Technologies ([EUSFLAT](#)) between 2007 and 2011, later being a member of the Board of Directors (2011-2017). He has participated in the scientific committee of more than 30 national and international conferences.

He has been invited to give plenary lectures in different events, highlighting the prestigious 2014 IEEE Symposium Series on Computational Intelligence (Orlando, USA, 2014) and the 2nd International Conference on Signal Processing & Integrated Networks (Noida, India, 2015).

Member of the expert panel of European projects on Big Data [CHIST-ERA](#) (2018) and evaluator of R&D&I business projects in [ACIE](#) (2017-).

## Research Stays in Foreign Centers (at least one month)

- Faculty of Computing, Engineering and Mathematical Science. University of the West of England, Bristol, UK, 2004.
- École Nationale d'Ingénieurs de Sfax. Université du Sfax, Tunisia, 2005.
- Zephyro S.p.a, Milan, Italy, 2016.
- School of Computer Science, University of Birmingham, UK, 2017.

## Awards and Distinctions

- Extraordinary Doctoral Award 2000-2001. University of Granada.
- "Top Cited Article 2005-2010" Award of the journal Engineering Applications of Artificial Intelligence.
- Awards for the best work at the 3rd International Workshop on Genetic and Evolving Fuzzy Systems (2008) and at TAMIDA 2018.
- "Universidad de Granada" Award to Research Works of Excellence in the area of Social Sciences (2012).
- Diploma of the Computer and Telecommunications Engineering School from the University of Granada for merits of researchers accumulated in 2013.

## Skills and Capacities

His work is outstanding in opening and leading new lines of research (intelligent systems for marketing, intelligent robotics and data stream mining) different from those developed during his pre-doc period. He has collaborated with numerous researchers from other research groups in Spain, United Kingdom, Norway, Italy, Greece, USA, Tunisia, Cuba, Peru and Turkey. He is a good communicator and teacher.