



CURRÍCULUM JOSÉ FERNÁNDEZ SALMERÓN

I am Telecommunication Engineer (M.A.Sc., 2009), Electronics Engineer (M.A.Sc., 2011), and Master in Computers and Network Research (2012). I got the PhD degree at the university of granada (ugr) in 2014. currently, I am enrolled in the Master in Microelectronic Systems in Open Architectures (RISC V) at the University of Castilla y la Mancha, showing my interest in hot topics.

From 2010 to 2014, I got a predoctoral Scholarship (FPI) at the Department of Electronics and Computer Technology at UGR followed by a postdoctoral contract (Contrato Puente) of 6 months in the same department. In 2015, I moved to the Institute for Nanoelectronics at the Technical University of Munich (TUM) as postdoctoral researcher under a MSCA-ITN programm (BioOrg). Since October 2016, I am Field Engineer at Biotronik AG, leading world medical device company for cardiac diseases. In that position, I worked in close proximity to the healthcare professionals and attended hundreds of cardiac interventions. Simultaneously, I am actively collaborating with Pervasive Electronics Advanced Research Laboratory (PEARLS) and I am founder member of the Biochemistry and Electronics as Sensing Technologies (BEST), both research groups from University of Granada. For the past 8 years, I have been able to combine my work at the industry together with my research, demonstrating my passion and dedication for research.

Notice that during my time at Biotronik I have published more than 35 (out of my 54) peer-reviewed papers, 13 conference papers (giving myself one of the talks), my work has been cited more than 1700 times, I have guest edited 2 special issues, co-supervised 1 bachelor thesis. I act as Expert reviewer for the European Commission in Horizon Europe. I have co-supervised 1 Ph.D. student (his defense took place in June 2025).



During these years, I have taught at bachelor and master level at UGR and TUM (12 different lectures and laboratories). I have co-supervised 10 bachelor and master theses also at both institutions. I have been invited as speaker to 10 conferences and workshops. I am invited speaker at UGR in to give lectures in the Bachelor of Engineering in Industrial Electronics and the Master of Industrial Electronics. Additionally, I have also participated in 6 R+D+I projects as a researcher funded in competitive tenders by public or private bodies: 1 European project, 1 project funded by the Spanish Ministry, 1 project funded by the Andalusian Government, 1 project funded by the University and 1 project funded by private companies. Also, I have a national patent from one of my master theses. As part of my current position, I am leading several clinical studies.

At the moment of submitting this proposal, I am author/co-author of 54 peer-reviewed journal papers and several international indexed conference proceedings, with more than 2100 citations and h-index of 25. Notice that 5 of my papers has more than 100 citations. More than 20 published publications as first authors and more than 10 as main researcher and last author. My work is centered in printed and flexible electronics with special focus on smart Radiofrequency identification (RFID) tags in different operation bands. In the field of sensors, my focus has been on the detection of different gas species, humidity, force, among others physical and chemical parameters. I have also worked on harvesting strategies (solar energy, Seebeck effect) and the integration of printed devices in final systems.