

## Alfredo Alcayde García



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**Alfredo Alcayde García.** Alfredo Alcayde García earned his doctoral degree from the University of Almería in 2011. His research journey began in 2010 when he received a predoctoral teaching and research training grant from the Junta de Andalucía, marking the start of his publication record in 2010. From 2011 to 2018, he focused his research efforts in the private sector, particularly at the Michelin Almería Experiences Center, one of the world's top three research centers in the field of tire technology. In late 2018, he transitioned to the University of Almería as an Assistant Professor. Currently, he holds the position of Associate Professor in the field of electrical engineering and serves as the Vice Dean of the School of Engineering.

His main research interests are linked to the:

- Power Quality
- Geometric Algebra
- Genetic Algorithm
- Optimization

Their extensive research work is reflected in the authorship of 60 indexed journal articles in prominent positions in the JCR, Additionally, they have authored 8 books or book chapters and presented their research in 22 national and international congresses. Their publications have accumulated over 3,850 citations on Google Scholar. Additionally, he has authored 8 books or book chapters and presented their research in 22 national and international congresses. Their publications have accumulated over 3,150 citations on Google Scholar. He was the supervisor of four PhD Thesis. With over 15 years of professional experience, they have held various positions of responsibility in different companies and institutions. Their career includes contracts with the University of Almeria and over 7 years as an Automation Engineer in R+D+i at the Michelin Experimental Center, where they worked as part of an international team.

He is also celebrated as one of the creators of the pioneering "OpenZMeter" project, a groundbreaking initiative that has revolutionized the field of energy analysis and visualization in electrical networks. OpenZMeter is a comprehensive open-source system, encompassing both hardware and software, designed to empower individuals worldwide to assess and enhance the quality of energy in electrical networks. His contribution to this project has not only showcased his innovative spirit but also facilitated collaborations with international scientific institutions.

### Additional Information:

- Member of the ICREPQ Steering Committee & ICREPQ-International Scientific Committee.
- RE&PQJ-Editorial Board & RE&PQJ-Scientific Committee

