



## Francisco ARCEGA SOLSONA



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**Francisco J. Arcega Solsona.** He received the M.Sc. in Physics in 1976 and Doctorate in 1981 in University of Zaragoza, Spain. In 1976 he joined the Electronics Department of the, University of Zaragoza and since 1982 he is in the Electrical Engineering Department where he is currently Professor (CEU). His main research interests are in the field of electrical measurements and their applications in the industry field, as well he is interested in the research and innovation in the educational field. Member of the IEEE, Senior Member '07 and Senior Life Member '23. He takes part in the Spanish Chapter of the Education Society and is reviewer of several journals and technical conferences.

Experienced in lecturing in university. More than 45 years teaching different subjects of Electrical Engineering at the University of Zaragoza, mainly metrology, testing, sensors, electromagnetic compatibility, electrical safety and other subjects

Experienced in assessment of laboratories (Calibration and testing). Technical assessor and quality assessor for the Spanish Accreditation System (ENAC), for the French Accreditation System (COFRAC) and for the Italian Accreditation System (ACCREDIA), most of them in Electrical Safety or Electromagnetic Compatibility. Member of the Automotive Electromagnetic Compatibility Laboratory Recognition Program (AEMCLRP) established between Europe (European Accreditation) and the U.S.A (A2LA).

Technical expert and quality expert for the European Community in the PMEII programme for Alger, accompanying a laboratory of electrical calibration to the accreditation with the EN 17025:2005, in 2012 and 2013, implementing a quality management system in the laboratory and defining the procedures for calibration in electrical engineering

Director of the Electrical Measurements Laboratory (LME) at the University of Zaragoza, accredited by ENAC for calibration of Electricity and Low Frequency (number 67/LC10.043) and for testing wind generators and distribution networks (number 581/LE1265) since 1997 until 2017

Apart from the teaching activity in the university giving lectures in the Electrical Engineering Department for Degree, Master and as well for Doctorate level, I have taught more than 40 courses in electrical measurements, calibration and testing, electromagnetic compatibility, sensors, quality in laboratories, speed control of electrical machines, etc. Those courses have been oriented to companies and post graduated people.

At the University of Zaragoza, I have been teaching for the last years a subject about testing electrical safety in equipment and in installations.

As well, I have published a book and I am co-author of several CD-ROM with teaching multimedia facilities

I have published more than 100 technical & research papers in electrical engineering, most of them in measurement and control or innovation in education.  
I have two patents one in control and another one in metrology.  
I have taken part in research programmes, financed by the Administration or by companies  
I have taken part in more than 30 national and international conferences in the field of Electrical Engineering

Evaluator for the EU programme Standard, Measurement and Testing (2000 and 2001) of the Fifth European Framework Programme.  
Evaluator of the European Metrology Research Programme (EMRP) since 2013 until 2017 and EMPIR (2019) all from EURAMET.

Technical Auditor for the Spanish National Agency for the Quality and Accreditation (ANECA) doing assessments for the Degrees and Masters of Engineering at the Spanish Universities and as well at the Doctorate level.

Technical auditor (member of the external evaluation team) working for the ABET programme) for evaluating diplomas in the United States.

Technical auditor (international member of the evaluation team) working for the CTI programme) for evaluating engineering diplomas in France.

Technical auditor (member of the external evaluation team) for different regional agencies, ACECAU, UniBasq or Madrimasd, working for accreditation of higher engineering university diplomas (Bachelor, Master and Doctorate) or working for other universities like Valladolid or Extremadura.

Regular collaborator of the regional agency for Accreditation in my region (ACPUA, Aragon Agency for the Quality and Prospective of the Universities).

Member of the Technical Committee or reviewer for several journals and conferences in the field of Electrical Engineering.

Main journals:

IEEE Transactions on Instrumentation and measurements

IEEE Transactions on Sensors

IEEE Transactions on Education

Journal of Power Electronics

Main conferences:

International conference on Electrical Machines ICEM,

Industrial Electronics Conference IECON,

Hispano-Luso Conference in Electrical Engineering CHLIE

International Conference in Renewable Energies and Power Quality (ICREPQ)

Frontiers in Education (FIE)

Member of the Spanish group of Directors of Engineering Schools, working in the new Degrees of engineering. (2005-2009)

Life Senior Member of the Institution of Electrical and Electronic Engineering (IEEE) and team leader of the Spanish Chapter of the Education Society of the IEEE.

**Additional Information:**

- Expert of Electrical Safety and Electromagnetic Compatibility for evaluation of testing laboratories
- Evaluator of EURACE mark for engineering diplomas in Spain and France
- Member of the ICREPQ International Scientific Committee.
- RE&PQJ Scientific Committee Member.