

Professional Biography

Enrique Romero-Cadaval receives the Ph.D. from the Universidad de Extremadura in 2004. His active research lines are integration of renewable energies, distributed generation, smart grids and electric vehicles. In these areas, he is author of more than 200 contributions listed in the main databases and of many conference contributions and book chapters.

Regarding research, he has been the main researcher of 5 national research projects, and more than 10 collaboration contracts with companies. He has also participated as researcher in 10 projects and in a national network about distributed generation, in topics related with “Smart Inverter for Distributed Energy Resources”, “Minicorner development with motor wheel in Electrical Vehicle”, “Systems for electrified mobility in the urban environment”, “Control Strategies for Isolable NanoGrids”, “Energy management system for an smart community: micro-hybrid storage system”, “Hybrid Energy Storage System for manageable photovoltaic generation facilities”, “Performance evaluation and diagnosis of photovoltaic plants”, “National Instrument hardware and software platform evaluation for designing and prototyping of motor drive algorithms and comparison with others technologies available on the market”, or “Conversion and protection solutions in power electrical system scenarios with high penetration level of distributed energy resources”.

He has evaluated projects for ANEP (Spanish National Agency for Project Evaluation) and R+D project evaluator for EQA (European Quality Assurance), one of the main projects certification company. He has eventually participated in research project revision of the Czech Science Foundation, National Science Centre Poland, Colciencias (Colombia), Estonian Research Information System (ETIS) and FONDECYT (Chilean National Science and Technology Commission).

He has participated as a consultant in various European projects within the Leonardo program as SOLTEC/AIRE (2011), EUVET (2013) and SYMBI (2017, INTERREG EUROPE) and as International expert in A3ES (Agency for Assessment and Accreditation of Higher Education, Portugal) External Teams for evaluating Higher Education program studies.

He has participated as technical expert in legal processes of some companies, related with the determination of the power evacuation capacity of the distribution grid for photovoltaic plants, or with possible patent infractions.

He is the Coordinator of the Energy Group for the Intelligent Specialization (RIS3) of the Extremadura Region (Spain), member of the management council of the Energy Companies Associations of Extremadura, representing the University of Extremadura.

He is CRO and Co-founder of “Smart Energy Products and Services”, Spin-off Company of the University of Extremadura.

He is actually the president of the Power Electronics and Industrial Electronics Jointed Spanish Chapter of the IEEE.