

Brief Bio of Prof. Ramon Blasco-Gimenez

Prof. Ramon Blasco-Gimenez obtained his BEng. degree from the Technical University of Valencia, Spain, in 1992, and his Ph.D. degree in Electrical and Electronic Engineering from the University of Nottingham, U.K., in 1996.

He is currently a Professor at the Dept. of Systems Engineering and Control of the Technical University of Valencia (Spain) and Head of the Research Institute of Automatics and Industrial Informatics (Ai2), with more than 120 full time researchers.

He has carried out consulting work on integration of wind farms to weak grids, risk-based operation and maintenance of off-shore wind farms and wind turbine converter control. His research interests include wind power generation, off-shore wind farms, HVDC converter control and grid integration of renewable energy. The research group lead by Prof. Blasco-Gimenez carried out pioneering work on wind turbine grid-forming controllers, which allowed the use of diode rectifiers for the HVDC connection of off-shore power plants.

Prof. Blasco-Gimenez has worked in more than 30 research projects in the aforementioned topics, being PI in 20 of them. He has published more than 150 journal and conference papers. He has been a co-recipient of the 2005 IEEE Transactions on Industrial Electronics Best Paper Award.

He is a Senior Member of the IEEE, Committee, guest researcher of the Solar Energy Research Centre SERC-Chile, chair of the Electrimacs committee, past-chair of the IEEE Industrial Electronics Society Renewable Energy Technical Committee, and general chair of IEEE International Conference on Industrial Technology (ICIT 2021).

He is member of the Cigré Working Groups C4.49 *“Multi-frequency stability of converter-based modern power systems”*, Cigré WG B4.81 *“Interaction between nearby VSC-HVDC converters, FACTS devices, HV power electronic devices and conventional AC equipment”* and Cigré WG B4.94 *“Application of VSC-HVDC in a System Black Start Restoration”*.

Prof. Blasco-Gimenez is an expert member of the International Electrotechnical Commission IEC Standard Committee 8A *“Grid Integration of Renewable Energy Generation”*, including:

- IEC/SC 8A /JWG 5 *“System issues regarding integration of wind and PV generation into bulk electrical grid”*
- IEC/SC 8A/AHG 3 *“Roadmap of grid integration of renewable energy generation”*.