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His research interests are in control systems for power electronic converters based on a wide range of algorithms, including modeling, design, and simulation, applied design of power converters and control systems and application.

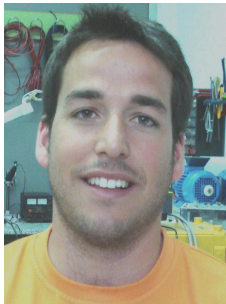


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He has authored more than 100 published papers on power converters design and development and is the holder of several Utility Models in this application field.

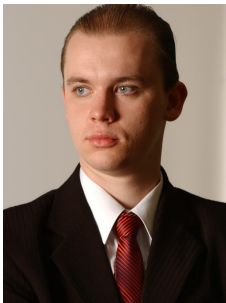
His research interests include switch mode power converters, modeling and simulation of power systems, applied design of power converters and control systems and application, and development of energy storage systems.



**Carlos Roncero-Clemente** (S'08) received the B.Sc. and M.Sc. degrees in electrical engineering from University of Extremadura, Spain, in 2006 and 2008, respectively, where he is currently working toward the Ph.D. degree. His Ph.D. thesis is devoted to the research and development of controls for inverters. He is currently with the Power Electrical and Electronic Systems (PE&ES) Research Group (<http://peandes.unex.es>). His research interests are power electronics in the power system, power quality, active power filters, renewable energy sources control, and smart grid.



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