



DR. CARLOS PONCE DE LEÓN ALBARRÁN

Carlos Ponce de León is a Professor in Electrochemical Engineering at the University of Southampton in the Faculty of Engineering and Physical Sciences. His main areas of expertise are in electrochemical energy conversion and water treatment technology. He has industrial experience in quality control, data acquisition systems, analytical chemistry, recovery of precious metals and fuel cell testing. He has taught at 3 different universities during the last 25 years and is currently the coordinator of the MSc program in Sustainable Energy Technologies at the University of Southampton. He has developed strong collaborations with partners in electrochemical reactor modelling, decontamination of industrial effluents and metal-air batteries. He has contributed to redox flow battery technology with full utility-scale mass transport characterization of cell stacks and improvements to several chemistries. Over the last few years, he has worked on the use of 3D-printing as a fast-prototyping tool for electrochemical flow cells, aluminum -polymer and -oxygen batteries, and has been the principal investigator of projects funded by the European Commission. Professor Ponce de León is member of the RSC Electrochemistry Group and editor of the Electrochemistry newsletter. He was chairman of Electrochem 2013 conference 2013 with 230 delegates and he has authored over 180 peer-reviewed publications and *h*-index 44 with 7445 citations according to Scopus. He has directed over 30 MSc thesis and over 18 PhD thesis.