

Dr. Rolando Burgos Biography

Rolando Burgos received the B.S. on Electronics Engineering, the Electronics Engineering Professional Degree, and the M.S. and Ph.D. degrees in Electrical Engineering from the University of Concepción, Chile, in 1995, 1997, 1999, and 2002 respectively. In 2002 he joined, as Postdoctoral Fellow, the Center for Power Electronics Systems (CPES) at Virginia Tech, in Blacksburg, VA, becoming Research Assistant Professor in 2003. In 2009 he joined ABB Corporate Research in Raleigh, NC, as Principal Scientist. In 2010 he was appointed Adjunct Associate Professor in the Electrical and Computer Engineering Department at North Carolina State University, working ad honorem at the Future Renewable Electric Energy Delivery and Management (FREEDM) Systems Center. In 2012 he returned to Virginia Tech where he is currently associate professor in The Bradley Department of Electrical and Computer Engineering and CPES faculty. His research interests include wide-bandgap semiconductor based power conversion, electromagnetic interference (EMI) and electromagnetic compatibility (EMC), multi-phase multi-level power converters, grid power electronics systems, stability of ac and dc power systems, and modeling and control of power electronics converters and systems. Dr. Burgos is Member of the IEEE Power Electronics Society where he is currently serves as Chair of the Power and Control Core Technologies Committee, and as Associate Editor of the IEEE Transactions on Power Electronics, IEEE Power Electronics Letters, and the IEEE Journal of Emerging and Selected Topics in Power Electronics. He is a member as well of the IEEE Industry Applications Society, the IEEE Industrial Electronics Society, and the IEEE Power and Energy Society.