

Short CV:



CONCETTINA BUCCELLA (Senior Member IEEE) was born in L' Aquila. She received the M.S. degree and the Ph.D. degree in Electrical Engineering from the University of L' Aquila, Italy, in 1988 and the University of Rome "La Sapienza" in 1995, respectively. After graduation she was a research engineer with Italtel SpA, L' Aquila, then in 1991 she joined the Department of Electrical Engineering at the University of L' Aquila, where she was an assistant professor and since 2001 she is Associate Professor of Electrotechnics. She holds the Italian habilitations as Full

Professor in Power Converters, Drivers, Machines and Power Systems and in Electrotechnics. She is Associate editor of IEEE Transaction on Industrial Electronics and of Springer's Journal of Intelligent Industrial Systems. In 2016 she has been elected Chair of IEEE-IES Renewable Energy Systems Technical Committee. Her research interests deal with smart grids, power converters modulation techniques, renewable energy management, analytical and numerical modeling, electromagnetic compatibility, controlled active shields, power line communications, models of biological systems with particular attention to the human eye, applications of neural networks and wavelet transform. She is a Senior Member of the IEEE, a member of the Power Electronics Committee and of the Smart Grids Committee of the IEEE Industrial Electronics Society, for many years she has been a member of the Electrostatic Process Committee of the IEEE Industry Applications Society. She was a Member of the Committee for Education Rights at the University of L' Aquila. She has been an evaluator of research projects, Ph.D. candidates and in promotions to Full Professor and to Associate Professor rank for several foreign institutions and universities. Concettina Buccella has been a reviewer for many international journals, mostly IEEE Transactions, including TPEL, TIA, TIE and TII, Elsevier journals and Springer journals. She has been a member of the Organizing Committee and a teacher of the Post M.S. Master "Energy Manager" at the Faculty of Engineering, University of L' Aquila. During 2009-2011, she has been a Guest Editor of the IEEE Transactions on Industrial Electronics - Special Section on: "Methods and Systems for Smart Grids Optimization" (published on October 2011) and during 2015-2016 of the IEEE Transactions on Industrial Electronics - Special Section on: "Recent Advances in Multilevel Inverters and their Applications" (published on December 2016). She was plenary speaker at International Conference of Energy and Water, September 25-27, 2013, Luanda, Angola with the tutorial: "Standards for smart grids with emphasis on their realization in remote and rural areas" (invitation from Ministry of Energy and Water of Angola).

She has been a committee member, a reviewer and a session chair in international conferences being, among the others, a Track Chair for "Power Systems" at the 39th Annual Conference of the IEEE Industrial Electronics Society (IECON2013), November 10-13, 2013, Vienna, Austria, a Technical Program Committee Member of the 2013 IEEE International Workshop on Intelligent Energy Systems "Managing the Complexity in Energy Systems" (IWIES2013), November 14, 2013, Vienna, Austria. She has been a Member of Scientific Committee of International Conference on Renewable Energy for Developing Countries (REDEC'14, REDEC'16, REDEC'18) in Beirut, Lebanon, a Program Committee member of IEEE IWIES2014, a Program Committee Member of International Symposium on Environment Friendly Energies and Applications, (EFEA2014) at Supmeca Campus in Paris, 19-21 November 2014. She was a Co-Chair of the session MoB8 "Power Converters, Control, and Energy Management for Distributed Generation at International Symposium on Industrial Electronics (ISIE2014), 1 - 4 June 2014, Istanbul, Turkey; a Track Chair for Power Electronics of ISIE 2015 in Porto Alegre, Brasil, for Power Systems of IECON2015 in Yokohama and for Power Systems of IECON2016 in Florence, Italy. She has been Treasurers at IECON2016 and Track Chair for Power Systems of the IECON 2017, Oct. 29 - Nov. 1, 2017, Beijing, Cina. She was Technical Track for "Renewable Energy Systems" at 19th IEEE International Conference on Industrial Technology (ICIT'2018), Lyon, France, February 20-22, 2018; Organizing Committee Member at 3rd International Conference on Power and Energy Engineering June 18-19, 2018 at Rome, Italy; Committee Members for ENERGY 2018 (Eighth International Conference on Smart Grids, Green Communications and IT Energy-aware Technologies), May 20 - 24, 2018 - Nice, France; Committee Members for DBKDA 2018 (Tenth International Conference on Advances in Databases, Knowledge, and Data Applications), May 20 -

24, 2018 - Nice, France; Tutorial-Workshop Chairs and Member of Steering Committee at EFEA2018, Rome 24-26 September 2018; Technical Program Committee Member of Automotive Conference 2018, Milan 9-11 July, 2018. She has been visiting professor at the Harbin Institute of Technology (HIT) in 2014, 2015 and 2016. She held tutorials at HIT and at Bohai University, Jinzhou Shi, Cina. In 2016 she held the summer course in Electrotechnics at HIT. In 2007 Concettina Buccella has been a Co-Founder of DigiPower Ltd., a University of L'Aquila spin-off, and operating in the field of industrial electronics, power systems, smart grids, modeling, electromagnetic compatibility and since 2012 she has been the C.E.O. Concettina Buccella has been a co-recipient of the 2012 Best Paper Award of the IEEE Transaction Industry Information for the paper: "Smart Grid Technologies: Communication Technologies and Standards", IEEE Transactions on Industrial Informatics, Vol. 7, N. 4, pp. 529 - 539, Nov. 2011. (authors: V. C. Gungor, D. Sahin, T. Kocak, S. Ergüt, C. Buccella, C. Cecati, G. P. Hancke) and a co - recipient of the 2013 Best Paper Award of the IEEE Transactions Industry Informatics for the paper: "Digital Control of Power Converters - A Survey ", IEEE Transactions on Industrial Informatics, Vol. 8, N. 3, pp. 437-447, Aug. 2012. (authors: C. Buccella, C. Cecati, H. Latafat).