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Antoneta Iuliana Bratcu received the M.Sc. degree in Electrical Engineering from the Dunărea de Jos University of Galați, Galați, Romania, in 1996, the Ph.D. degree in Control systems and Informatics from the Université de Franche-Comté de Besançon, Besançon, France, in 2001 and the Habilitation to lead research (HDR) from the Université Grenoble Alpes, France, in 2022. She was with the Department of Control Systems and Electrical Engineering, Dunărea de Jos University of Galați, from 1996 to 2011. She was the recipient of 2007 “In Hoc Signo Vinces” (Engineering Sciences section) national prize awarded by the Romanian Council of Scientific Research and Innovation (CNCSIS). Between 2002 and 2009 she hold postdoctoral researcher positions in France, with University of Technology of Troyes, Ecole Nationale Supérieure des Mines de Saint-Etienne and Grenoble Institute of Technology. She joined the Grenoble Image Speech Signal and Automatic Control Laboratory (GIPSA-lab) in 2011, on a CNRS tenured position on modelling and control of dynamical systems with applications to smart grids. She is currently an Associate Professor with GIPSA-lab. She co-authored a monograph and an advanced textbook with Springer, more than 90 journal and conference articles. She is a Senior Member IEEE and member of IFAC Technical Committee 6.3 on Power and Energy Systems. Her current research interests include optimal and robust control applied to energy conversion systems and smart grids.