

**ETTORE F. BOMPARD****CURRICULUM**

**Ettore F. Bompard** received his Master and Ph.D. degrees in Electrical Engineering from Politecnico di Torino (Polito), Italy. In May 1997 he joined the Polito, Department of Electrical Engineering (presently Department of Energy), where he is Professor (Full) of Power System. He served as Deputy Director for International Relations of the Doctorate School and Vice-Dean for International Culture of the First School of Engineering at Polito. In 1999 and 2000, he has been Visiting Assistant Professor at the Electrical and Computer Engineering Department of the University of Illinois at Urbana-Champaign (USA), with a Fulbright scholarship for research and lecturing from US Department of State. He has been Power Systems and Critical Infrastructures Senior Scientist at the Energy Systems, Security and market Unit of the Institute for Energy and Transport of the Joint Research Center of the European Commission in Petten (Netherlands) from October 2012 to September 2014. Presently he is scientific advisor as an expert, for Directorate C “Energy, Transport and Climate” of the DG Joint Research Center of the European Commission. He is also International expert of the Russian Science Foundation. He is Scientific co-coordinator of the *Global Real-time Integrated Co-simulation laboratory*, an initiative for a multisite network of lab connected in real time through an ICT and hardware in the loop capabilities involving EU, US and China. He is Member of the Scientific board of EC-L (Energy Center Laboratory), the multidisciplinary energy lab @Polito and scientific coordinator of the Energy Security Lab. He is co-director of the Energy Transition Modelling and Simulation Centre established in cooperation between Shanghai Jiao Tong University and Politecnico di Torino and Vice-Director, China Center of Politecnico di Torino (Structure of the University in charge of the relation with China with a special focus on the Belt and Road Initiative). He is Senior Fellow at the International Center for Security & Crisis Management (SCM) at the Shanghai Academy of Social Sciences. He is fellow of the Chinese Society of Electrical Engineering.

He has been the scientific coordinator of many research projects in the framework of the Italian System Research on Power Systems, EU funded projects, Next Generation Infrastructure (Netherlands) and NATO projects. He is coordinating research projects with industry in the area of data analytics application to electricity systems. He is coordinator of research project on electrification of energy for Enel (in cooperation with MIT) and projects on global energy interconnections for State Grid Cooperation of China. He served in many scientific advisory boards in Europe, China (e.g. Joint Doctoral Program in Electrical Engineering with Shanghai Jiao Tong University) and Russia (e.g. Russian Academy of Science). He is Editor of the *IEEE Transactions on Sustainable Energy*, Associate Editor of *IET Generation, Transmission & Distribution* and Associate editor of *Energy Informatics*. His research interests include electricity markets analysis and simulation, smart grids design and modelling, power system vulnerability assessment and security management, energy security, “science-based” support to policy decision making and data analytics applications to power systems. He co-authored more than 150 publications and book chapters on various topics related to the power systems analysis and modelling.