**CURRICULUM VITAE**

**of**

**Giambattista Gruosso**

Giambattista Gruosso was born on March 27, 1973, in Potenza, Italy. In 1999, he obtained a degree in electrical engineering from the Faculty of Engineering of the Polytechnic of Turin. In February 2003, he earned a Ph.D. in electrical engineering. Since December 2002, he has been an Assistant Professor at the Department of Electronics and Information of the Politecnico di Milano. He obtained the confirmation role in December 2005. Since 2011, he has been an Associate Professor of Electrical Engineering at the Polytechnic of Milan. He is now the Head of the research Lab Simlab40 (simlab40.deib.polimi.it). He has performed and still performs consulting activities under research contracts on behalf of the Department of Industrial Electrical Engineering of the Polytechnic of Turin and the Department of Electronics and Information of Politecnico di Milano, for both public and private institutions. He has also participated in several projects co-financed by the Ministry of University and other important international institutions. He is a member of the Board of Governors of MADE-Competence Center and the Scientific Director of technical activity in MADE. He is also the Vice-Chair of IEEE Italy section and on the Board of Governors of IEEE Vehicular Technology society.

His research is testified by about 175 papers and publications

RESEARCH INTERESTS: Charging electric vehicles strategies; Demand response for smart-grids; Flexible loads modeling; Optimization techniques; Electrical grid analysis in Real-time simulators; Integration of distributed energy resources. Hardware in The Loop simulation, Stochastic and Probabilistic Simulation on nonlinear electrical systems in the presence of parameter uncertainty, Multi-physics modeling. Magnetic analysis. Electro-magnetic simulation. Electrical

parameters extraction

PARTICIPATION TO RESEARCH PROJECTS

Researcher at the following projects funded projects:

* 2009-2011 POR CRO FESR LOMBARDIA – Progetto PULP
* 2009-2011 POR CRO FESR LOMBARDIA – Progetto SSR
* 2008-2012-EU FP/7 Space- High Power Electric propulsion: a Roadmap for the future
* 2021-2022 - aDvanced studIes in DigItalisation of MANufacturing DIGIMAN) funded by EIT Manufacturing
* Progetto Roberto Rocca Travel Grant and Seed Fund, from 2020 to 2022, between Massachusetts Institute of Technology (MIT) and Politecnico di Milano (PoliMI). Grant coordinator for Politecnico di Milano Title: “Stochastic Models and Simulation Tools for Power Distribution Networks” .
* Progetto Teinvein POR FESR 2014-2020/INNOVAZIONE E COMPETIVITÁ, from 2018 to 2020, Funded by Regione Lombardia and with the title” TEcnologie INnovative per i VEicoli Intelligenti: sviluppo di tecnologie innovative, di nuovi componenti e/o sottosistemi per la sicurezza attiva o preventive” (Innovative Technologies for Intelligent Vehicles: development of innovative technologies, new components and/or subsystems for active or preventive safety). In this project G.Gruosso was the coordinator of the WP 4 : Vehicle integration.
* Coordinator of more than 30 project funded by enterprises in the field of modelling and analysis of electrical systems,