

CURRICULUM VITAE

of

Mario Marchesoni

Mario Marchesoni received the M.S. degree (*cum laude*) in electrical engineering in 1986 and the Ph.D. degree in electrical engineering in power electronics in 1990, both from the University of Genova, Italy. From 1991 to 1992 he was a CNR (Italian Research National Council) graduate grant holder, within the "Robotics Finalized Project", under the general theme "Sensors and Actuators". Then, he continued his research activity in the Department of Electrical Engineering, University of Genova, where he was an Assistant Professor from 1992 to 1995. From 1995 to 2000, he joined the Department of Electric and Electronic Engineering, University of Cagliari, Italy, where he was Full Professor of the course "Power Industrial Electronics". In the year 2000, he came back to the University of Genova, where today he is Full Professor of the course "Electrical Drives Control". During the years, he has been the teacher also of the following courses: "Electromechanical Systems Modelling", "Power Electronic Systems", "Electrical Drives", "Electrical Machines", "Electrical Sensors and Actuators", "Digital Electrical Drives" and "Control Complements for Electrical Drives". Moreover, he has performed integrative didactic activity (seminars) within the course "Automatic Control".

His research interests include power electronics, electrical systems for transportation, electrical drives, electrical machines and automatic control.

His technical and scientific activity, that is certified by more than 220 papers, which have been mainly presented at international conferences and published on international journals, has been carried out within research contracts and co-operations with national and international companies. In addition, he worked in several research contracts funded by the *Italian Ministry of University and Scientific and Technological Research*, by the *Italian National Research Council* and by the *European Commission*.

Mario Marchesoni is the head of the Operative Unit PETRA (Power Electronics, TRansportation and Automation) of DITEN (Department of Naval, Electrical, Electronics and Telecommunications Engineering) of the University of Genova. In the Operative Unit PETRA several PhD students, of which Mario Marchesoni has been and is Tutor, have operated and operate, as well as several research fellows financed by his research projects have operated and operate.

Other tasks, which have been assigned to him and worth to be mentioned, are briefly described in the following.

He was a Member of the National Scientific Qualification Commission in his Competition Sector: 09 / E2 - Electrical Energy Engineering, for the years 2012 and 2013 (role played from February 2013 to September 2014). He has been / is co-chairman and member of the International Steering / Scientific Committee of several international conferences and has been / is reviewer of the main international journals in the field.

Mario Marchesoni is a member of the Italian AEIT association and of the Institute of Electrical and Electronics Engineers (IEEE) and of the IEEE Industry Applications, Industrial Electronics, Power Electronics, Power & Energy and Control Systems Societies.

Mario Marchesoni was elected Member of the Board of Directors of the CMAEL Association (Italian Association of "Electrical Converters, Machines and Drives Group") for the period 2008-2011, subsequently re-elected for the 2014-2017 period and for the 2020-24 period.

Mario Marchesoni is a member of the European Power Electronics (EPE) Association and in 2011 was elected member of the EPE Executive Council for the period 2011-2014.

Thanks to its international scientific activity, the EPE-ECCE Europe Conference (21th Conference on Power Electronics and Applications, with about 1000 participants from Europe and from all over the world) will be held in Genova in September 2019, where he will be the Conference General Chairman. For this last reason he was appointed a member of the EPE Executive Council at large for the 2015-2019 period.

Finally, it should be noted that Mario Marchesoni has worked in various organizational roles in the University Departments where he has worked. Among the various roles covered it is considered appropriate to mention, in this context, that he has been a Member of the Board of Professors of the Doctorate in Electrical Engineering since 2001 with continuity until today (at the University of Genova), also through the various changes of name of this course. Furthermore, from 2017 to 2022 he has been the Coordinator of the PhD Program in Science and Technology for Electrical Engineering, Naval Engineering and Complex Mobility Systems and from 2019 he is Coordinator of the PhD Program in Science and Technology for Electrical Engineering and Complex Mobility Systems, both established at the University of Genova.