

SCIENTIFIC CURRICULUM VITAE

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Alberto Tenconi received the M. Sc. in 1986 and the PhD. in 1990, both in Electrical Engineering from the Politecnico di Torino, Torino, Italy. From 1988 to 1993, he worked for the Electronic System Division of FIAT Research Center, where he was engaged in the development of electrical vehicle drive systems. He then joined the Department of Electrical Engineering at Politecnico di Torino where, from the year 2006, he is Full Professor (disciplinary science sector: ING-IND/32, Power electronic converters, electrical machines and drives). In 2015 he had been elected Head of Department of Energy for the mandate 2015-2019.

His fields of interest are non-conventional radial and axial flux electric machines, high performance drives, power electronic converters for energy conditioning in distributed generation and in power quality applications. In particular, his experience concerning the electrification transportation includes both the theoretical and the experimental aspect involved by the development of three-phase and multi-phase electric drives for vehicles and aircraft applications. The research activity is documented by 60 International Journal papers and more than 170 papers on International Conference Records; the scientific production is co-authored by more than 100 international researchers. The main bibliometric indexes are h-index 35, citations 4381 self citations excluded (Scopus).

In 1997 Alberto Tenconi received the Second Prize Paper Award from the Power Electronics Devices and Components Committee of the IEEE-Industry Applications Society and in 2005 he received the First Prize Paper Award from IEEE-IPEC'05, Nigata, Japan and in 2015 the Third Prize Paper Award as published in the IEEE Transactions on Industry Applications.

Alberto Tenconi is IEEE Senior Member and Professional Member of the Italian chapter of IEEE-Eta Kappa Nu (HKN) honor society. He is reviewers for several International Journals and International Conferences in the field of interest. From 2009 to 2011 he served as Associate Editor for the IEEE Transactions on Industrial Electronics where he has also served as Guest Editor.

He has served as expert for the evaluation of the academic research quality (VQR 2004-2010) for the national agency for the evaluation of universities and research institutes. Furthermore, he worked as scientific expert in the evaluation of research and development programs for the Ministry of Education, University and Research (MIUR) and other academic institutions. He is now member of the National Scientific Qualification (ASN 2018-2020) Committee for the University Professor recruiting procedure.

Alberto Tenconi has been involved in many Regional, National and European Research Programmes on competitive basis, where in some case he has been the principal investigator; he has also been responsible in several research contracts committed by industrial companies.

Alberto Tenconi has been member of the following boards of Politecnico di Torino: Academic Senate; Research and Technology Transfer Committee; Selection Committee of the Siebel Energy Institute “seed projects” award. He is member of the Board for the Doctorate in Electrical, Electronics and Communications Engineering. Furthermore he is the Responsible contact person for MIUR – National Technological Cluster Energy, where he is member of the Academic Thematic Committee. Alberto Tenconi has been President of the Italian Association CMAEL (Power Converters, Electric Machines and Drives) from 2014 to 2017. He is member of the steering committees the National Interuniversity Consortiums El.Mo (Electric Mobility) and EnSiEL (Energy and Electrical Systems).

The teaching activity of Alberto Tenconi at Bachelor and Master level has covered the courses of “Electric Machines”, “Electric Drives” and “Power Electronics”; he has supervised more than 120 thesis of students from 1996 up today. He has tutored more than 15 Ph.D. students.

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