

Curriculum Vitae

Roberto NAPOLI

Roberto Napoli was graduated in Electrical Engineering in 1969, at Politecnico di Torino (Italy), where he has started his academic career in 1970 as Assistant Professor, with promotion to Associate Professor in 1982 and Full Professor in 1986. Since 2016 he is Emeritus Professor.

During several decades of a successful career, he has trained entire generations of electrical engineers and researchers, reaching the highest positions in the electric power systems scenario.

He was National President of GUSEE (University Group on Electrical Systems for Energy), Coordinator of the College of Chairmen of the Boards of Degree in Electrical Engineering, Member of the Board of Directors of Politecnico di Torino, Deputy Dean of the Faculty of Engineering, President of the Electrical Engineering Board, Representative of Ensiel (InterUniversity Consortium for Energy and Electric System), Member of the Doctoral Committee, Erasmus Manager, President of the Turin Section of the AEIT (Italian Electric Association), Life Member IEEE-HKN, Member of the CEI and UNI Committees, etc ..

He has given lessons fluently in English, French, Spanish and Portuguese, with a series of longstanding international connections, which have led him to teaching and research experiences in Europe, USA, Brazil, Africa, China, etc., with tutoring of Italian and foreign doctoral students.

For decades it has been the point of reference for electrical systems and systems at the Politecnico di Torino. The list of national and international contracts has been uninterrupted for decades, as a researcher, as a leader of research groups, as an auditor, conference organizer, etc.

The main interests have always been in electrical installations and systems, with particular attention to the frontier of new technologies, where technical, economic and social problems intersect, posing dramatic risks but also exciting opportunities. The activity was focused on problems such as smart grids, home automation and computer buildings, energy efficiency, electricity market, functional security, safety, grounding, regulatory interpretations, and automatic design systems. Worthy of note is the recent Cost Benefit Analysis activity for electricity interconnections with Italy.

The recent activity on mobility plant infrastructures deserves special mention, with particular attention to the problems of interactions with the visually impaired, the man-machine dialogues for e-mobility and the treatment of big data for mobility monitoring. In this context, four patents have been developed, which have led, among other things, to the Laura projects (for the movement of the visually impaired, awarded by the Blind Association) and Valentina (for security against distractions by mobile phone, acquired by ANAS) and to the recent start of an experimentation within the innovative project Torino City Lab for the experimentation of innovations in the travel sector and smart cities.

The academic activity is carried out in more than 100 articles in international journals, in reviews for the most important specialist journals, in thesis tutoring, in continuous seminars not only specialized, but also for dissemination and continuous education.

The intense academic activity has been accompanied by an equally intense professional activity, including tests of power plants and HV transmission lines, design and supervision of major electrical installations in Italy and abroad (also for projects by major international architects), technical consultancy for courts and private individuals, both in criminal and civil matters, with participation in important arbitrations, continuous technical consultancy of reference for important public and private Bodies.

For some years now he has started a publicity activity, dedicated to energy and research issues, with two permanent sections in the magazine 'Nuova Energia' and with a section dedicated to Italian excellence for the IEEE Italian Chapter, also with the aim of contributing to the public debate on energy transition and promoting changes to existing regulations to better adapt them to consumer protection.