

# Michele Tartaglia

## CURRICULUM VITAE

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Michele Tartaglia received Laurea degree in Electrical Engineering in 1971 from Politecnico di Torino. In 1973, he joined the Istituto Elettrotecnico Nazionale “Galileo Ferraris” (now denoted as INRIM), Torino, Italy, where he carried out theoretical and experimental studies on breaking apparatus and computation of electromagnetic fields in nonlinear devices.

Since 1982, he has been an associate Professor at Politecnico di Torino. He is now full professor of Electrical Engineering. In the last years he gives lessons on “Low Frequency Electromagnetic fields” and “Electromagnetic Compatibility” for electrical engineering students.

In 1977 he has got BONAVERA Award for Electrical Engineering from Accademia delle Scienze di Torino for the studies of non linear behaviour of power transformers.

Michele Tartaglia main research interests are the study of electromechanical devices, electromagnetic field prediction by means of analytical and numerical methods, mitigation of low frequency magnetic fields, security in electrical power systems and rational use of energy, applications monitoring and optimization of renewable energy sources.

He has been scientific responsible of some research programs with reference to public and private institutions and now he is the scientific responsible for Politecnico di Torino of POLYCITY a European Commission Integrated Project (6° Framework Programme) on sustainable energy systems in sustainable cities (from 2005 to 2011).

He is author of more than 120 scientific papers published on national and international journals and on the proceedings of national and international conferences.

He also wrote a book of Electrical Engineering exercises for electrical engineering students on quasi stationary field applications and lines.

He contributes as a reviewer of international journals and magazines (e.g IEEE Trans. On Magnetics and IEEE on Industrial Applications) and of international conferences (e.g. COMPUMAG, IEEE Conference on Industrial Application Systems, IEEE IECON, etc.).

He promoted and organized some international workshops and conferences.

He also contributed to

- working groups 1 and 2 of IEC Technical Committee 73 (Short circuit current calculation in 3-phase a.c. systems) as Italian expert since 1981 to 1984;
- TC 11 of Comitato Elettrotecnico Italiano (CEI) on Electrical Power Installations at a voltage higher than 1 kV since 1981 to 1984;

He is also a member of

- CIGRE Task Force C4.02.04 (International Council on Large Electric Systems) on “Magnetic field mitigation methods” since 2001;
- Technical Committee CT 106 on “Human Exposure to Electromagnetic Fields” of Comitato Elettrotecnico Italiano (CEI), since 1998.

He co-authored the CIGRE book: *Guidelines for mitigation techniques of power frequency magnetic fields originated from electric power systems*, published on February 2009.

M. Tartaglia is a *senior member* of the IEEE (Institution of Electrical and Electronic Engineers) Industry Applications Society since 2008 and a member of AEIT (Federazione Italiana di Elettrotecnica, Elettronica, Automazione, Informatica e Telecomunicazioni) since 1972.