Università di Genova

Eugenia Torello

Graduate technician

EDUCATION AND TRAINING

2001 **Ph.D. in Electrical Engineering**
Title of thesis: Diagnosis of electrical insulation by means of charge decay measurements
University of Genoa - Genoa - IT

1995 **MSc. Degree in Physics**
Title of thesis: Spin polarization of a metastable helium beam
University of Genoa - Genoa – IT

PROFESSIONAL HISTORY

2024 – ONGOING
Adjunct professor of Theory of circuits and electric laboratory teaching unit in the Electrical Engineering degree course, pursuant to Article 23(2) of Law No. 240 of 30/12/2010
Theory lectures and hands-on laboratory exercises
University of Genoa - Genoa - IT

2014 – 2023
Adjunct professor of Electrical Engineering Laboratory teaching unit in the Electrical Engineering degree course, pursuant to Article 23(2) of Law No. 240 of 30/12/2010
Theory lectures and hands-on laboratory exercises
University of Genoa - Genoa – IT

2006 - ONGOING
Recruitment for an indefinite period as Technical Administrative Staff, Functional Area, Scientific-Technological sector
University of Genoa - Genoa - IT

2001 – 2006
Post-doctoral fellow
Title: Study of the behavior of polymer films aged by surface partial discharges
University of Genoa - Genoa - IT

ACADEMIC APPOINTMENTS

2013 - ONGOING
Member of Committees of the Electrical Engineering Degree Courses
Member of QA Committee, Study guidance Committee, Tutoring Committee
University of Genoa - Genoa - IT

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EXPERIENCE

PARTICIPATION IN THE CREATION OF NEW BUSINESS ENTITIES (SPIN-OFFS), DEVELOPMENT, USE AND COMMERCIALISATION OF ACADEMIC PATENTS

2009 Founding member of the company Diasol Srl.
The spin off Diasol Srl was born within the UNI.TI Consortium. (University, Technology Transfer to Enterprises) of the University of Genoa: the enterprise benefited from the Start Up fund made available by the Consortium for high-tech enterprises. From 2013 to 2020 the spin off was accredited as "spin off of the University of Genoa".

OTHER EXPERIENCES

29 June 2023: Update of the electrical licence in France.
"Habilitation électrique: opérations électriques Basse et Haute Tension (HTA) dans le respect des textes réglementaires et des prescriptions de la norme NF C18-510"
APAVE Training Centre - Marseille - France

June 2022: Lecturer for High Voltage Technology training courses for maritime personnel
Qualification of lecturer for the High Voltage Technology for Maritime Personnel Training Courses
Ministry of Infrastructure and Transport - General Command of the Port Authority Corps

7 July 2020: Attainment of Electrical Qualification in France
"Habilitation électrique: opérations électriques Basse et Haute Tension (HTA) dans le respect des textes réglementaires et des prescriptions de la norme NF C18-510"
APAVE Training Centre - Marseille – France

12 May 2020: Refresher course for PES qualification
Renewal course for obtaining the PES (Expert Person) qualification for performing electrical work (according to CEI 11-27: 2014, 4th edition).

30-31 May 2013: Training course for PES qualification
Training course, lasting 16 hours, to obtain the PES qualification (Expert Person) for carrying out electrical work (in accordance with CEI 11-27).

1996 – ONGOING Laboratory research activities
As a member of the staff of the CMTEST (Components, Materials, Electrical Technologies and Electrostatics) Laboratory of the DITEN Department, I am in charge of the design and implementation of test campaigns on electrical materials and components: I therefore liaise with customers and suppliers.
I use the laboratory's main equipment: high-voltage power supply system up to 190 kV_{rms} in alternating current or ±260 kV in direct current and, thermal conditioning ovens, climatic cells, step-up transformers up to 100 kV_{rms}.
In particular, on electrical insulation systems, I perform dielectric strength measurements, partial discharge measurements with analogue and digital systems, capacitance and loss factor measurements and insulation resistance measurements.
Insulation systems range from simple planar solids, conventional or nanofilled enamels to real electrical machine insulation systems.
I also perform tests to assess the resistance to tracking and erosion of electrical insulating materials used in harsh environmental conditions.