

Paola Girdinio

Full Professor

EDUCATION AND TRAINING

23/07/1980

1980

Degree (V.O.) in Physical Sciences

Characterization of Superconducting Cable – 110/110

Università degli Studi di Genova

PROFESSIONAL HISTORY

2000- ongoing

Full Professor

Teaching in Electrical Circuits, Electromagnetic Fields and Electromagnetic Compatibility.

Università degli Studi di Genova

1987-2000

Associate Professor

Teaching in Electrical Engineering for Civil Engineers, in Electrical Circuits and Electromagnetic Fields.

Università degli Studi di Genova

1983-1987

Research

Teaching in Electrical Circuits and Electromagnetic Fields

Università degli Studi di Genova

ACADEMIC APPOINTMENTS

2019- ongoing

Master Professor in Cyber Security and Critical Infrastructure Protection

Master II livello

Università di Genova

2018 - ongoing

President of the Interdepartmental Research Center on Cybersecurity of Electrical Infrastructures.

Università degli studi di Genova

2017-2019

DITEN Electric Pole Manager

Università degli studi di Genova

2012-2016

Member of the University Board of Directors

Università degli studi di Genova

2008-2012

Member of the University Academic Senate

Università degli studi di Genova

2008-2012

Dean of the Faculty of Engineering

Università degli studi di Genova

2007-2008

Director of the Department of Electrical Engineering

Università degli studi di Genova

2006-2008

Member of the Board of Directors of the Continuing Education Center (PERFORM)

Università degli studi di Genova

2001-2007

President of the Electrical Engineering Course

Università degli studi di Genova

EXPERIENCE

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

2024 – in corso

PNRR SERICS SPOKE7 responsible for the smart grid cyber-physical security project

Ministero dell'Università e della Ricerca – Roma - IT

2022 – in corso

PNRR RAISE SPOKE 3 responsabile nel WP 3.1.6 Design and testing of solutions for QS and protection from cyber attacks in industrial type networks

Ministero dell'Università e della Ricerca – Roma - IT

2003-2006

National Project Manager FIRB 2001

Responsible for a national research project funded by MIUR, aimed at the development of numerical techniques for the optimization of the electromagnetic field distribution in cellular telephone networks: the activity consists mainly in the development of stochastic optimizers for the combinatorial problem of channel allocation (CAP).

Ministero dell'Università e della Ricerca – Roma - IT

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

2024 – in corso

Founding member of the Airfiel Spin Off

The company is positioned in the field of cybersecurity of critical infrastructures, with the aim of creating products and services for the cybersecurity of industrial networks, with a highly innovative character in the specificity of the solutions proposed for the cybersecurity of industrial networks, both in the methods and algorithms used whose focus is on industrial network architectures and protocols, up to fieldbus protocols. The algorithms

used are based on the extensive use of artificial intelligence technologies (machine learning and deep learning) for data analysis.

OTHER EXPERIENCES

2019 – ongoing

President of the Competence Center on Security and Optimization of Strategic Infrastructures 4.0 (START 4.0).
Ministero dell'Industria e del Made in Italy – Roma

2018 – ongoing

Member of the Scientific Council of EURISPES
Eurispes - Roma

2015 – ongoing

Founder of the Conference CSET “Cybersecurity for Energy & Transport Infrastructures”
UNIGE – Genova

2011-2018

President of the Scientific Committee of the Genova Smart City Association
Comune di Genova

2008-2009

Member of the Investigation Commission for the Integrated Pollution Prevention and Control IPPC.
Ministero dell'Ambiente e della Tutela del territorio e del Mare.

2008

Member of the 2015 Agency Evaluators Commission, energy efficiency sector.
Ministero Dello Sviluppo Economico

2007

Included in the album of innovation experts
Ministero dello Sviluppo Economico

2005-2008

Member of the Technical-Scientific Council of SIIT District (Integrated Intelligent Systems)
Regione Liguria.

2002-2007

Member of the Environmental Impact Assessment Commission
Ministero dell'Ambiente e della Tutela del Territorio e del Mare.

2001-2001

Member of the Standards Committees CEI 106A and 107B relating to the "problems of evaluation and measurement of electromagnetic fields with reference to human exposure" and of the CEI 307 committee "Environmental aspects of electrical systems"
Università degli studi di Genova

2000-2000

Member of the Committee CENELC /TC 9X “EMC Standardization for Urban Trasport”
Università degli studi di Genova

1996-1996

Member of the Editorial Board for the International Symposia series “IGTE Symposium”.
Università degli studi di Genova

1990-1990

Member of the Editorial Board in charge of the selection of publications for the COMPUMAG
International Conference series
Università degli studi di Genova

1984-1984

Member of the Organizing Committee “8th ICDL – International Conference on Conduction and
Breakdown in Dielectric Liquids”.
Università degli studi di Genova

1983-1983

Member of the Organizing Committee of the IV COMPUMAG – International Conference on the
Computation of Electromagnetic Fields
Università degli studi di Genova