

Federico Delfino

Associate Professor in Power Systems Engineering

Education:

PhD, University of Genoa, 2001

MSc, University of Genoa, 1997



Fields of interest:

- Energy production, transmission and distribution;
- Electrical networks modeling and simulation;
- Lightning modeling and protection;
- Integration of renewable energy sources into the power delivery system;
- Smart Power Grids.

Teaching:

Electric Circuits, Industrial Engineering (1st level degree), University of Genoa, Savona Campus
Power Systems Engineering and Economics, Environmental & Energy Engineering (2nd level degree)- University of Genoa, Savona Campus

Main functions at the University of Genoa:

- Delegate of the University of Genoa Rector for the management of Savona Campus facilities;
- Responsible for the University of Genoa of the Research & Innovation Cluster on “Sustainable Energy”;

International and National Commitments:

- Member of the European Commission Task Force on Smart Grids – Expert Group 3 (EG3): Roles and Responsibilities of Actors involved in the Smart Grids Deployment;
- Independent expert serving the European Commission as a reviewer for projects on Smart Grid topics;
- Independent expert serving the South Africa’s National Research Foundation as a reviewer for research activities in the field of “Lightning”;
- Member of the Italian Expert Committee on Energy Efficiency, at the Economic Development Ministry;
- Member of the Expert Committee on Smart Grids, at the Italian Regulatory Authority for Electricity and Gas;

- Chairman of the Administration Board of the company “Parco Tecnologico della Valbormida (Technological Pole of Valbormida)”, owned by Liguria Region and providing Environmental & Energy R&D services.

Patents:

1. EU Patent no. 10155937.5 – 2207, “An improved electrical power supply system for tunnels, particularly for road tunnels”, 2011.
2. IT Patent no. TO2009A000174, “Sistema migliorato di alimentazione elettrica per tunnel, in particolare tunnel stradali”, 2012.