



## Matteo Saviozzi

Fixed-term assistant professor

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### *Education and training*

2017

#### **PhD in Electrical Engineering**

Distributed Energy Resources Strategies for the Management of Uncertainties in the Future Electric System

Università di Genova - Genova - IT

2012

#### **Master Degree in Applied Mathematics**

Methodological and Applied Issues of Electric Systems Math Modelling

Università di Genova - Genova - IT

2010

#### **Bachelor Degree in Mathematics**

Localization of Matrix Eigenvalues

Università di Genova - Genova - IT

### *Academic experience*

2020 - ONGOING

#### **Research Fellow (RTD-A)**

Università di Genova - Genova - IT

2019 - 2020

#### **Adjunct Professor**

Università di Genova - Genova - IT

2018 - ONGOING

#### **Member of CIGRE' Working Group C6/2.34 'Flexibility Provision from Distributed Energy Resources'**

2016 - 2019

#### **Post-doctoral Researcher**

Università di Genova - Genova - IT

2015 - 2016

#### **Visiting PhD Scholar**

University of Colorado - Boulder - US

2013

## Visiting PhD Scholar

University of Strathclyde - Glasgow - GB

## Language skills

### English

Proficient

## Teaching activity

1-Adjunct Professor - Algebra, 2019/2020, Bachelor Course: 'Maritime Science and Technology', Università di Genova;

2-Teaching Assistant - Analisi Matematica II, 2018/2019, 2019/2020 Polytechnic School, Università di Genova.

## Research interests

The main field of research is related to the study, the implementation and the effects of the penetration of the distributed generation, from renewable and conventional resources, in the distribution networks and to the management of the energy consumption. In particular, my principal interests are optimization algorithms, distribution management systems, forecasting of load/renewable energy resources, load modelling, load/energy management, buildings modelling and control, and probabilistic security assessment.

## Grants

2018 - ONGOING

### **OSMOSE Optimal System - Mix of Flexibility Solutions for European Electricity**

European Union - Horizon 2020 Research Participant

2017 - ONGOING

### **PODCAST Piattaforma di Ottimizzazione della Distribuzione Tramite Uso di Dati da Contatori Elettronici e Sistemi di Accumulo Distribuito**

Ministero dello Sviluppo Economico Cassa per i Servizi Energetici e Ambientali (CSEA) nell'ambito della Ricerca di Sistema (RdS - IT Participant

2017 - 2019

### **PREDICT Piattaforma Adattativa di Efficienza Energetica per la Riduzione dei Consumi in Edifici non Residenziali**

Programma Operativo Regionale (POR) 2014-2020 Regione Liguria.

Participant

**2016 - ONGOING**

**MIGRATE Massive Integration of Power Electronics Devices**

European Union - Horizon 2020 Research

Participant

**2011 - 2014**

**SMARTGEN Studio Sviluppo e Validazione di Metodi e Strumenti Innovativi per la Gestione di Reti di Distribuzione Attive con Generazione da Fonte Rinnovabile**

Ministero dello Sviluppo Economico Cassa per i Servizi Energetici e Ambientali (CSEA) nell'ambito della Ricerca di Sistema

Participant

**2013**

**DERmanagement Distributed Energy Resources Management and Control in a Microgrid Environment**

European PF7 Programme - DERri Project

Participant

**2011 - 2015**

**AFTER A Framework for Electrical Power Systems Vulnerability Identification Defense and Restoration**

European PF7 Programme

Participant

***Editorial activity***

1-Member of the Editorial Board - Applied Sciences

2-Member of the Technical Committee Program - IEEE International Forum on Research and Technologies for Society and Industry (RTSI), Firenze, 9-12 Sep. 2019

3-Reviewer - International Journals: IEEE Transaction on Industrial Electronics, IEEE Transaction on Sustainable Energy, IEEE Transaction on Industry Applications, IEEE Transaction on Smart Grids, IEEE Access, Electric Power System Research, International Journal of Electrical Power and Energy Systems, Energies, Applied Sciences

4-Reviewer - International Conferences: IEEE PES Powertech, Convegno Annuale Internazionale AEIT, Power Systems Computation Conference (PSCC), IEEE International Conference on Environmental and Electrical Engineering (EEEIC), IEEE PES Innovative Smart Grids Technologies Conference (ISGT).