

**Nationality:** Italian

## LATEST WORK EXPERIENCE

**From January 2007 to today: Researcher at Consorzio RFX, Padova, Italy**

### Main research activities and responsibilities:

- Research on topologies, control techniques, dynamic performance and fault protections on various power supply systems for RFX, Neutral Beam Test Facility and JT-60SA;
- Work Package Manager of several tasks related to the power supplies for the Padova Neutral Beam Test Facility and ITER;
- Technical Responsible Officer for the procurement of the RWM PS system for JT-60SA;
- Engineer in charge (in shift) for the RFX and SPIDER experiments;
- Responsible of the ac/dc conversion system of RFX experiment and of the Acceleration Grid Power Supply of SPIDER experiment;
- Coordinator of tasks related with the Plant Electrical System of the future European fusion reactor prototype (DEMO) in the framework of the activities promoted by Eurofusion; co-author of many deliverables, since 2014;
- Project Leader for the design and procurement of the power supply system for the Neutral Beam Injector of the fusion experiment DTT, under construction in Frascati, Italy;
- Teacher for the Goal Oriented Training Program on Power Supply Engineering for ITER;
- Co-Rapporteur ("correlatore") for Bachelor's and Master Degree theses, <http://tesi.cab.unipd.it/52848/>, <http://tesi.cab.unipd.it/59677/>, <http://tesi.cab.unipd.it/62981/>;
- Mentor for the EUROfusion Engineering Grant, position ref. EEG-2020/14: "Study and modelling of the power flow in the DEMO plant";
- Co-supervisor of a PhD student in Fusion Science and Engineering;
- Member of the Technical Committee of the 2021 IEEE 29th Symposium on Fusion Engineering (SOFE).

**From April to June 2009: Teacher for complementary training courses at University of Padova**

Educational activity complementary to the courses on Electrical Engineering part 2 (for the Electrical Engineering degree) and on Electrical Engineering (for the Energy Engineering degree), under contract with University of Padova.

## EDUCATION

**From 2008 to 2010: PhD in Industrial Engineering - Electrical Engineering, at University of Padova, Italy**

**PhD Degree achieved on March 29<sup>th</sup>, 2011**

**Title of the thesis:** "Study of the power supply system for the acceleration grids of the ITER Neutral Beam Injector", <http://paduaresearch.cab.unipd.it/3456/>

**From 1999 to 2005: Master Degree (Hons.) in Electronic Engineering - Applied Electronics and Microelectronics, at University of Padova, Italy**