

PERSONAL INFORMATION

MARCO DE NARDI



 Consorzio RFX, Corso Stati Uniti 4, Padova, Italy

 marco.denardi@igi.cnr.it

- Industrial PhD in Fusion Science and Engineering: “Technology R&D for HCD Power Supplies for DEMO”
- Doctor in Electrical Engineering

Main research areas:

- Medium voltage Vacuum circuit breakers for fusion application (Energy transfer system (PT) of RFX-mod experiment and FDU system for DEMO)
- High Voltage Power supply system for Electron Cyclotron Resonance Heating (ECRH) for DTT and DEMO
- Radio Frequency Power Supply system for negative ion sources of Neutral Beam Injectors (NBI)

WORK EXPERIENCE

March 2021 – August 2021

Coordinated and Continuous Collaboration contract (Co. Co. Co.) at Consorzio RFX

Consorzio RFX, Corso Stati Uniti 4, 35127 Padova (Italy)

<https://www.igi.cnr.it/>

- Study of the energy transfer system of the RFX experiment for the restart of the plant
- Business or sector** Fusion research

August 2021 – PRESENT

Industrial PhD in Fusion Science and Engineering

Consorzio RFX, Corso Stati Uniti 4, 35127 Padova (Italy)

<https://www.igi.cnr.it/>

- Technology R&D for HCD Power Supplies for DEMO

Business or sector Fusion research

EDUCATION AND TRAINING

2009 - 2014

High school graduate

Liceo Scientifico Statale Ugo Morin
via Asseggiano 39, 30174 Mestre (Italy)
<http://www.liceomorin.edu.it/>

2014 - 2017

Bachelor's degree in Energy Engineering

Università degli Studi di Padova
via Venezia 1, 35131 Padova (Italy)
<https://www.ienie.dii.unipd.it/>

2017 - 2021

Master's degree in Electrical Engineering

Università degli Studi di Padova
via Venezia 1, 35131 Padova (Italy)
<https://www.ienie.dii.unipd.it/ingegneria-dell-energia-elettrica/>

ADDITIONAL INFORMATION

Publications

R. Casagrande, A. Maistrello, M. De Nardi, M. Dan and M. Recchia, “Study of RF stray currents in ITER neutral beam test facilities”, Applied Sciences 11, no. 23, 11126
<https://doi.org/10.3390/app112311126>