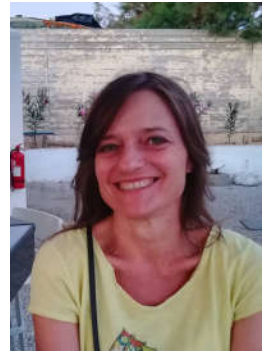


Rita S.Delogu

Senior researcher in Machine Learning and Data Analysis



Research fields

Signal processing and control for nuclear fusion experiments.

Pattern Recognition, Classification and Signal Prediction with machine learning algorithms.

Negative ion Beam Operation with NIO1 experiments

Main activities and position

Jan 2014-present *Signal processing, control and prediction for nuclear fusion experiments, Consorzio RFX Padova*

Jan 2010 – 2015 *Engineer in charge during plasma experiments, Consorzio RFX Padova*

Nov09-2015 *Responsible for Electromagnetic measurements, Consorzio RFX Padova*

July 2001 – October 2003 *Engineer Application Analyst, Accenture – Rome*

Education

PhD of Industrial Engineering: neural networks applications for nuclear fusion devices.

Sixth International Workshop and Summer School "Towards Fusion Energy - Plasma Physics, Diagnostics, Spin-offs" September 2006, Kudowa Zdroj, Poland.

University of Napoli.

School of Electrics for PhD students 'F.Gasparini', stage IX & X.

Perspectives and challenges in the future of integration: an electromagnetic modeling approach. Circuits for nanodevices. ElectroMagnetic Modeling for Biomedical systems.

University of Cagliari

Doctorate School:

Pattern Recognition. Statistics. Controlling Systems for industrial plants (PLC, SCADA).

Patents and Trade Marks. English course, Advanced level (mark 26/30).

University of Cagliari, Italy

Bachelor of Science in Mechanical Engineering

Publications

At the moment RSD is author and co-author of 57 scientific papers (source scopus.com).