



Loredana Magistri

Full professor

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Education and training

2003

Ph.D. Engineering of Fluid Machines

Hybrid Systems for Distributed Power Generation

Università di Genova - Genova - IT

Academic experience

2000 - 2003

Ph. D student

Università di Genova - Genova - IT

2003 - 2005

Post- Doctoral Fellow

Università di Genova - Genova - IT

2005 - 2014

Assistant Professor

Università di Genova - Genova - IT

2014 - ONGOING

Associate Professor

Università di Genova - Genova - IT

Language skills

English

Independent

Teaching activity

2012/2013

- “Innovative systems for energy and environment” Mechanical Engineering Master's Degree (Genova).

- “Applied Thermodynamics” Chemical Engineering Degree (Genova).

2013/2014 and 2014/2015

- “Innovative systems for energy and environment” Mechanical Engineering Master's Degree (Genova).

- ‘Systems for energy and environment’ Mechanical Engineering Degree (Savona)

Since 2015 :

- “Innovative systems for energy and environment” Mechanical Engineering Master's Degree (Genova).
- “Energy Systems' for energy and environment” Industrial Engineering Degree (Savona).
- “Power Plants For Energy Conversion” Energy Engineering Master's Degree (Savona).

Postgraduate research and teaching activity

Supervision of PhD students, residents and post-doctoral fellows

Loredana Magistri is tutor and supervisor of several ph.d. students and associate researchers.

Research interests

Loredana Magistri is Associate Professor at the University of Genoa.. Her field of expertise is the analysis and simulation of high temperature fuel cell systems (MCFC, SOFC), innovative energy plants with carbon capture and sequestration, energy storage by Hydrogen and “chemicals” production.. She is collaborating with national and international companies and she is part of the steering committee of the Rolls-Royce LG Fuel Cell Systems UTC. She is also responsible for the development of simulation codes for the analysis of innovative power plants and in particular of hybrid systems with high temperature fuel cells.

She has been and she is involved in several national and European projects such as:

- H2020 European project (2015-2019) 'Bio-HyPP - Biogas-fired Combined Hybrid Heat and Power Plant'
- H2020 European project (2014-2018) “MefCO2 - Synthesis of methanol from captured carbon dioxide using surplus electricity”
- _ FCHJU European project (2010-2013) GEneric diagNosis InstrUment for SOFC Systems.

Moreover she spent several periods as experienced researcher at Rolls-Royce Fuel Cell Systems Ltd, UK, in the framework of the Marie Curie European Project “EnSOFC”.: Balance of Plant and System development for SOFC hybrid systems.

Grants

2017 - ONGOING

ENVISION Energy Harvesting by Invisible Solar Integration in building skins

European Commission H2020

Participant

2015

Bio-HyPP Biogas-fired Combined Hybrid Heat and Power Plant

European Commission H2020
Participant

2015 - ONGOING

MEFCO2 Synthesis of Methanol from Captured Carbon Dioxide Using Surplus Electricity

European Commission H2020
Participant

2010 - 2013

GENIUS GEneric diagNosis InstrUMENT for SOFC Systems

European Commission
Participant

Editorial activity

Loredana Magistri has authored more than forty papers in international scientific journals and she is reviewer of international journals.

BIBLIOMETRIC INDICATORS (Database SCOPUS):

- Total citations = 1003 (540 in the last 5 years)
- H-index = 15
- Number of publications in scientific journals = 68 (20 in the last 5 years)

BIBLIOMETRIC INDICATORS (Database GOOGLE SCHOLAR):

- Total citations = 1468 (724 in the last 5 years)
- H-index = 22