Loredana Magistri is currently Associate Professor at the Polytechnic School of the University of Genoa.
In 2003 she received the Ph..D. degree in Innovative Energy Systems with a thesis entitled: “Hybrid Systems for Distributed Power Generation ”.
In the period 2003-2005, she was Researcher and from 2005 to 2014 she was Assistant Professor at the University of Genoa.
Her fields of expertise are: the thermo-economic analysis of innovative plants, study and simulation of high temperature fuel cells (MCFC, SOFC), innovative energy systems with carbon capture and sequestration and energy storage by hydrogen and chemicals production.
She collaborates 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 off-design and transient analysis of innovative power plants and in particular of hybrid systems with high temperature fuel cells

She is involved in several European and National Projects in the field of Fuel Cells, Hybrid Systems and innovative cycle analysis including:
-European Project LARGE-SOFC, IP-019739 (2007-2009): Towards a Large SOFC Power Plant. Coordinator: VTT Technical Research Centre of Finland, as Responsible of thermodynamic and thermoeconic analysis of high temperature fuel cell hybrid system and responsible of experimental activities on the “micro gas turbine-cathodic side hybrid system emulator” test rig.
- European Project “FELICITAS”, IP-516270 (2005-2008): Fuel cell power trains and clustering in heavy-duty transports. Coordinator: Fraunhofer Institute,Germany, as Responsible of design and off-design analysis of Solid Oxide fuel cell gas turbine hybrid system for naval A.P.U. application.-
-European Project “GENIUS: GENeric diagNosis InstrUment for SOFC Systems” (2010-2013) Grant Agreement 245128 Joint Technology Initiative Collaborative Project (FCH) Coordinator: EIFER; as Work package leader of “WP4 Modelling and diagnosis tool elaboration”.
- National Project Industria 2015: *“Hydrostore: Innovative Systems for hydrogen storage***”** (2010-2015) Coordinator ENEL Centro Ricerche Pisa; as Scientific responsible.

Finally, 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”.
Loredana Magistri has authored more than forty papers in international scientific journals.