



UNIVERSITÀ DI PAVIA

PhD School of Electrical and
Electronics Engineering
and Computer Science

SEMINAR

Innovative controls for advanced energy systems and smart grids: research and collaboration chances with the Thermochemical Power Group

25th February 2021, 10:00 AM

Online seminar

<https://us02web.zoom.us/j/87206881723>

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Abstract

After a short presentation of the Thermochemical Power Group of the University of Genoa, the seminar will be focused on research activities related to advanced energy systems, controls, management and optimization. Special attention will be devoted to smart grid management and optimization considering the experimental activities carried out in the Innovative Energy Systems laboratory located in Savona. Finally, the discussed topics will be presented showing possible collaboration opportunities.

Mario L. Ferrari

Mario L. Ferrari obtained his Degree in Mechanical Engineering with honours at the University of Genoa in 2003 and the Ph.D. in Mechanical Engineering at the University of Genoa in 2006. He has worked as an Associate Researcher in the Dipartimento di Macchine, Sistemi Energetici e Trasporti of the University of Genoa, and as a Researcher at Rolls-Royce Fuel Cell Systems Ltd, under the Marie-Curie program. In the 2010-2015 years he was permanent Researcher in the Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), where he had studied the transient behaviour of SOFC hybrid cycles and the optimization of smart grids based on both fossil fuel and renewable energy systems (the TPG laboratory of Savona). At the moment, he is Associate Professor in the DIME department of the University of Genoa devoting his activity on advanced energy systems.

Organizer

Prof. Paolo Di Barba

Ph.D. Coordinator

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