

## CV

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**Mario Luigi Ferrari:** Associate Professor of Energy Systems at the University of Genoa - since 2015.

**Academic qualifications:** Degree in Mechanical Engineering (University of Genoa, 2003) with honours, Professional Engineer (2003), Ph.D. in Mechanical Engineering (University of Genoa, 2006).

**Past appointments:** “Experienced researcher” under Marie Curie “EnSOFC” grant (2007-2008) at Rolls-Royce Fuel Cell Systems (UK). Visiting Ph.D. student (2005) at U.S. NETL (Morgantown, WV), Researcher at University of Genoa (2010-2015).

**Research interests:** He is the scientific coordinator of the Innovative Energy System Laboratory for the Thermochemical Power Group. His research activity is, at the moment, mainly focused on the development of an experimental plant for the study of advanced energy systems with micro gas turbine in tri-generative configuration and on the development of a laboratory for experimental analyses on poly-generation smart grids. Moreover, Mario Luigi Ferrari is involved in research activities related to hybrid systems based on SOFC technology including the following topics: transient analysis, control system development, component testing, emulation of critical phases with experimental rigs.

**Research results:** The research activity has produced more than 50 scientific papers published on International journals, presented at international conferences or inside monographic books. Moreover, he is author of 2 Italian patents related to his experimental research activity. In 2007 he received the Best Paper Award of the International Gas Turbine Institute - The American Society of Mechanical Engineers and in 2015 he received the Best Paper Award of the International Conference on Applied Energy.

**Editorial activity:** He is member of the Editorial Board of the following journals: The Scientific World Journal (Hindawi Publishing Corporation), Advances in Mechanical Engineering (SAGE Publications). and World of Mechanics (Zeal Scienza). Moreover, he is reviewer of the following scientific journals: Applied Energy; Applied Thermal Engineering; Energy Conversion and Management; Proceedings of the Institution of Mechanical Engineers, Part A, Journal of Power and Energy; Proceedings of the Institution of Mechanical Engineers, Part C, Journal of Mechanical Engineering Science; Proceedings of the Institution of Mechanical Engineers, Part E, Journal of Process Mechanical Engineering; International Journal of Hydrogen Energy; Journal of Power Sources; International Journal of Electrical Power and Energy Systems. Mario Luigi Ferrari served also as Point of Contact (2016), Session Chairman (2016) and Session Organizer (2013) for the ASME Turbo Expo and as Reviewer for several ASME congresses.