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Mario L. Ferrari: Associate Professor of Energy Systems at the University of Genoa - since 2015.
Adjunct Professor of Machinery at the University of Pavia – since 2021.

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

Main 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 with responsibility on the safety issues. His research activity is, at the moment, mainly focused on the study of advanced energy systems with micro gas turbine (including integration of renewable sources, smart grid optimization, energy storage systems and energy harvesting). 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 80 scientific papers published on International journals (h-index in Scopus equal to 23), presented at international conferences or inside monographic books. Several papers have been published at ASME conferences (since 2004) or in ASME journals. Moreover, he is author of 2 Italian patents related to his experimental research activity. In 2007 and in 2018 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. He is also founder of the spin-off company of the University of Genoa (UNIGE) named SIT Technologies s.r.l. and he is member of the related Board of Directors. He is also responsible for UNIGE of two H2020 EU projects.

Editorial activity: He is Associate Editor of the Fluid Mechanics Research International Journal (MedCrave) and member of the Editorial Board of the following journals (full open access journals in some cases): The Scientific World Journal (Hindawi), Advances in Mechanical Engineering (SAGE Publications), Energy Research Journal (Science Publications), International Journal of Modern Studies in Mechanical Engineering (ARC Publications), Journal of Energy (Science Research Association), Current Alternative Energy (Bentham Science), Global Journal of Energy Technology Research Updates (Avanti). Mario Luigi Ferrari served also as Committee Chair (2019-2021), Committee Vice-Chair (2017-2019), Point of Contact (2015-2017), Session Chairman (2016, 2020) and Session Organizer (2013) for the ASME Turbo Expo and as Reviewer for several ASME congresses.