

Enrico Stalio curriculum vitae

Enrico Stalio is Associate Professor in Applied Physics at Università di Modena and Reggio Emilia, there he teaches the “Aerodynamics of Road Vehicles and Thermal Management” and “CFD fundamentals and Aerodynamics” and “Applied Physics” courses.

Educational qualifications

- Ph.D. in Applied Physics at Università di Bologna. Thesis title: “Direct Numerical Simulation of Heat Transfer Enhancing Surfaces”
- Degree in Mechanical Engineering at Università di Trieste. Thesis title: “Direct Numerical Simulation of Turbulent Flow in Curvilinear Coordinate Systems”

EU and international projects

- 2010-02-01 to 2015-01-31: Director of Research for Università di Modena and Reggio Emilia for the Large scale collaborative project “Thermal-Hydraulics of Innovative Nuclear Systems” THINS (FP7-EURATOM-FISSION) Project ID: 249337
- 2015-04-01 to 2019-03-31: Director of Research for Università di Modena and Reggio Emilia for the Research and Innovation Action “Thermal hydraulics Simulations and Experiments for the Safety Assessment of MEtal cooled reactors” SESAME (H2020) Project ID: 654935
- 2018-10-01 to 2019-09-30: Leader (PI) of the PRACE project “P-TURB - Prandtl number effect on TURbulent Rayleigh-Bénard convection”, Project ID: 2018184426, Resource Awarded: 65 Mil. core hours on Marconi - KNL

Marie Curie Fellowship and EU-funded post-doc

- Marie Curie Fellow (2003) in the framework of the “Marie Skłodowska Curie actions - Research Fellowship Programme” Project ID: HPMT-CT-2001-00369; Funded under: FP5-HUMAN POTENTIAL; Topic: Environmental Turbulence; Coordinated by: Imperial College of Science, Technology and Medicine - United Kingdom; Hosting insitution: Laboratory for Aero and Hydrodynamica, TU-Delft, The Netherlands.
- Post-doctoral Researcher in the FP5 Project: “Heat and mass transfer in micro-channels”; Project ID: HPRN-CT-2002-00204; Funded under: FP5-HUMAN POTENTIAL; Coordinated by: Universitaet Stuttgart - Germany

Summer schools, lecture series and invited lectures

- Open lecture: “Fundamentals of road vehicle aerodynamics” Date: October 27, 2023; Location: Università degli studi di Bergamo, Campus di Ingegneria, via Marconi 5 Dalmine, Bergamo
- Keynote lecture: “On the thermal analysis of electric motors using a numerical approach” held remotely on January 22nd, 2021 at the International Conference on Sustainable Energy Solutions for a Better Tomorrow (SESBT 2021) School of Mechanical Engineering, VIT Chennai.
- Lecture series: Thermohydraulics and Chemistry of Liquid Metal Cooled Reactors; Date: April 10, 2017 to April 14, 2017; Lecture title: “Direct Numerical Simulations of turbulent convection in liquid metals”; Location: von Karman Institute for Fluid Dynamics, Sint-Genesius-Rode, Belgium
- Summer school: “Termofluidodinamica Computazionale” at XII Scuola Estiva dell’Unione Italiana Termofluidodinamica; Date: September 10, 2012 and settembre 15, 2012; Lecture title: “Finite Volume analysis of heat transfer and fluid flow”; Location: Certosa di Pontignano, Siena

A list of publications by Enrico Stalio is available on the [web](#)