

Daniele Melideo, PhD

Daniele is an Aerospace Engineer and he got the PhD in Nuclear and Industrial Safety at the University of Pisa. He is currently working as Assistant Professor at the Department of Energy, Systems, Territory and Construction (DESTEC) at University of Pisa, performing research activities in the field of hydrogen for storage, use and transport, in particular using modelling tool such as Computational Fluid Dynamics (CFD); he is also managing Horizon 2020 funded Projects in the field of energy.

Before moving to the University of Pisa he has been working as Scientific Officer at the Institute for Energy, Transport and Climate of the Joint Research Centre of European Commission in Petten (The Netherlands), performing research activities related to safety assessment of hydrogen technologies (e.g. hydrogen vehicles, storage and infrastructures) and applications.

He participated in several International and EU funded Projects related to CFD code development, validation and application. He is Member of the Scientific Committee of the International Conference on Hydrogen Safety, Panellist of the Research Priority Workshop on Hydrogen Safety. He was also member of the European Hydrogen Safety Panel, of the IEA (International Energy Agency) HIA (Hydrogen Implementing Agreement) Task 37 on Hydrogen safety task (from 2012 to 2020), of the IAEA (International Atomic Energy Agency) Collaborative Research Project on the Application of CFD codes for the Design of Advanced Water-Cooled Reactor (until 2012) and of the OECD/NEA (Nuclear Energy Agency of the Organization for Economic Co-operation and Development) Working Group on the Regulation of New Reactors (WGRNR) (until 2012). He has been invited speaker at several seminars and workshops, and participated at various International meetings and conferences, as author and chairman. He is author of 96 publications especially on CFD code validation, benchmarking and application (20 International Journals, 1 Book Chapter, 34 Proceedings of International Conferences, 41 Project Technical reports).