Marco Fossa

Full professor

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+39 0103532198

Education and training

1989

MSc Mech. Engineering

110 cum laude

University of Genova - IT

1989

PhD in Thermal Engineering

University of Genova Italy

Academic experience

2017 - ONGOING

Full Professor

University of Genova Italy

Rector's Delegate for the
International Study Programs
President of Unige Master on
"Energy and Sustainability"

Language skills

English
Proficient

French
Independent

Teaching activity

Teaching activity at the University of Genova, Italy, Faculty of Engineering (academic year 2025/2026)
Courses:
Applied Thermodynamics and Heat Transfer (9 ECTS credits),
Renewable Energy (6 ECTS credits),
Solar and Geothermal Energy (6 ECTS credits)

Supervision of PhD students, residents and post-doctoral fellows

Currently (a.y. 2025/2026) Prof. Fossa is Tutor of 2 PhD students (in Mech. Engineering) and Tutor of a post graduate research student ('Assegnista di Ricerca' biennale)

Research interests

Research fields.
Geothermal heat pumps and ground modelling, Solar Energy, Natural convection for Building Integrated Photovoltaic Applications, Two Phase Flow in pipes and manifolds, Frost Deposition during Natural Convection
Professor Fossa is author of about 170 scientific papers in the field of Thermal Engineering. Scopus h-index=29, Scopus citations=2800

Assignments abroad

Visiting Appointments:
The University of the New South Wales, Sydney (as Visiting Professor): 2006, 2008, 2010, 2012, 2017, 2023
Cern, Geneva: 1991, 1992, 1997-2005 (CMS particle detector project, as Research Fellow)
University of Nottingham, SChEME, 2001
ICE, Italian Embassy in Santiago de Chile, 2014 (Invited speaker at Sala de Senado de Chile, Santiago, Geothermal Heat Pumps)
MCI University Innsbruck (as Invited Professor 2018-2025)
ETS Montreal and Polytech Montreal (as visiting Professor, 2022)

Other international collaborations (year 2025): University of Lyon and Insa Lyon, EdF Le Renardieres, Cern, Polytech Savoie, University of the New South Wales (Sydney), KTH Stockholm, Univ. Savoie Mont Blanc

Member of international PhD juries:
Unsw Sydney (2011, 2012, 2019), University of Sydney (2015, 2020), Univ. Tetouan (2010), Univ. Lyon 1 (2007. 2011, 2015, 2016, 2017, 2025), University Fes Morocco, (2022), Université Savoie Mont Blanc (2023, 2025)

Member of International Juries for Professor positions
Univ. Lyon 1 (2014), University of the New South Wales, Sydney (2017, 2019)