



## Marco Fossa

Professore ordinario

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### *Istruzione e formazione*

1989

**Laurea in Ingegneria Meccanica**

110/110 e lode

1993

**Dottorato in Fisica Tecnica**

### *Esperienza accademica*

2017 - **IN CORSO**

**Professore Ordinario**

Università di Genova

Coordinatore della Magistrale in Energy Engineering (2014-2020) Delegato del Rettore all'Offerta Formativa Internazionale (dal 2020)

2007 - **IN CORSO**

**Professore Associato**

Università di Genova

1993 - 2007

**Ricercatore Universitario**

### *Competenze linguistiche*

**English**

Esperto

**French**

Buono

### *Attività didattica*

Teaching activity at the University of Genova, Italy, Faculty of Engineering (academic year 2020/2021)

Courses:

Applied Thermodynamics and Heat Transfer (6 ECTS credits),

Renewable Energy (6 ECTS credits),

Solar and Geothermal Energy (6 ECTS credits)

Clean Energy Production (6 ECTS credits, as co-teacher)

## **Attività didattica e di ricerca nell'alta formazione**

### **Supervisione di dottorandi, specializzandi, assegnisti**

Year 2021: Tutor of 2 PhD students in Mech. Engineering; Tutor of 1 Postgraduate research Student ('assegno di ricerca biennale')

### **Partecipazione al collegio dei docenti nell'ambito di dottorati di ricerca accreditati dal Ministero**

Dottorato PhD Imeg, Ingegneria Meccanica, Energetica e Gestionale (2011-2021)

### **Interessi di ricerca**

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=21, Scopus citations=1500

### **Incarichi all'estero**

Visiting Appointments:

The University of the New South Wales, Sydney (as Visiting Professor): 2006, 2008, 2010, 2012, 2017

Cern, Geneva: 1991, 1992, 1997-2005 (CMS particle detector project, as Research Fellow)

University of Nottingham, SChEME, 2001.

ICE and Italian Embassy in Santiago de Chile, 2014 (invited speaker on Geothermal Heat Pumps, at Sala Senado de Chile de Santiago)

MCI University Innsbruck (as Invited Professor 2018, 2019, 2020)

Other international collaborations (year 2016): University of Lyon and Insa Lyon, EdF Le Renardieres, Cern, Polytech Savoie, University of the New South Wales (Sydney), KTH Stockholm, Polytech Montreal

Member of international PhD juries:

Univ. New South Wales Sydney (2011, 2012, 2019), Univ. Sydney (2015, 2020), Univ. Tetouan (2010), Univ. Lyon 1 (2007, 2011, 2015, 2016, 2017)