

Curriculum Vitae

Personal Information

Name: Alberto Fichera

Address: Via della Fiaccola 18, 95128 Catania (Italy)

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E-mail: alberto.fichera@unict.it

Nationality: Italian

Date of birth: 25/12/1960



Work Experience

• Dates: 1986 – 1990

Employer: University of Catania, Viale A. Doria 6, Catania, Italy

Position: Volunteer Assistant

Main duties and responsibilities: Teaching and Research

Field: Energy and Heat Transfer

• Dates: 1990 – 1997

Employer: University of Catania, Viale A. Doria 6, Catania, Italy

Position: Researcher

Main duties and responsibilities: Teaching and Research

Field: Energy and Heat Transfer

• Dates: 1997 – 2002

Employer: University of Catania, Viale A. Doria 6, Catania, Italy

Position: Associate Professor

Main duties and responsibilities: Teaching and Research

Field: Energy and Heat Transfer

- **Dates: 2002 – present**

Employer: University of Catania, Viale A. Doria 6, Catania, Italy

Position: Full Professor

Main duties and responsibilities: Teaching and Research

Field: Energy Management and Heat Transfer

Education and Training

- Date: 1986

Degree: Master's Degree in Civil Engineering

Personal Skills

Mother tongue: Italian

Other languages

English

Reading: B2

Writing: B2

Spoken interaction: B2

Participation in Research Projects

- Coordinator of the research project “Microgravity in Natural Circulation Loop,” selected for participation in the 4th Parabolic Flight organized by the European Space Agency (01/01/2001 – 01/08/2001).
- Principal Investigator of the research grant (ING-IND/10) project “Characterization of thermo-fluid-dynamic processes through complex dynamics” (01/01/1998 – 01/01/2003).
- Scientific Coordinator of the University of Catania unit for the PRIN 2003 project “Thermo-fluid-dynamic analysis of livestock buildings,” co-funded by the Italian Ministry of Education, University and Research (MIUR) (01/11/2003 – 01/11/2005).
- Scientific Coordinator of the University of Catania unit for the PRIN 2005 project “Theoretical and experimental study for the optimization of natural convection in circuits and cavities,” co-funded by MIUR (30/01/2006 – 30/01/2008).

- Participation in the ASTUTE project, funded by the European Commission, Intelligent Energy Executive Agency (IEEA) (01/01/2006 – 01/01/2010).
- Participation in the GRaBS project (Green and Blue Space Adaptation for Urban Areas and EcoTowns), funded by the European Commission (01/01/2008 – 01/01/2012).
- Participation in the SPECIAL project (Spatial Planning and Energy for Communities In All Landscapes), funded by the European Commission (01/01/2012 – 01/01/2016).
- Scientific Coordinator of the project “Mapping Energy for Energy Transport and Urban Planning (MEETUP),” University Research Funding 2014 (FIR), University of Catania (01/02/2015 – 01/02/2017).
- Scientific Coordinator of the University of Catania unit for the PRIN 2015 project “Research for SEAPs: a platform for municipalities participating in the Covenant of Mayors,” co-funded by MIUR (01/10/2017 – 2019).
- Participation in the national “Fabbrica Intelligente” program, PON I&C 2014–2020, STMicroelectronics S.r.l. (Lead) — “Development of a multi-sensor node for monitoring work environments,” acronym: SALVO.
- Participation in the International Energy Agency’s Energy in Buildings and Communities Programme (IEA EBC) Annex 83 (2019-2025).
- Scientific Supervisor of the PhD project (XXXVII cycle, 2021): “Analysis of the energy–transport chain for the introduction of hydrogen in regional and local rail transport.”
- Scientific Coordinator of the Project Team for the implementation of ISO 50001 in University buildings (from 19/04/2024).
- Scientific Coordinator of the PNRR cascade call project “Life Agro-PV – Innovative systems with thin-film PV tracking technology for resilient agricultural activities” (from 07/2024).
- Scientific Coordinator for the University of Catania of the PNRR ALMA project “Advanced Learning Multimedia Alliance for Inclusive Academic Innovation,” M4C1 Investment 3.4 — sub-investment “Digital Education Hubs (DEH)” (from 07/2024).

Organizational and Managerial Roles

- Invited Professor at Université de Picardie Jules Verne (France) (01/02/1999 – 01/03/1999).
- Member of the Industrial Engineering Scientific Committee, University of Catania (01/01/1995 – 01/01/2000).
- Chair of the Diploma Course Council in Mechanical Engineering (01/11/1999 – 01/11/2002).

- Coordinator of the European inter-university SOCRATES projects between the University of Catania (D.I.I.M.) and Institut Supérieur des Sciences et Techniques (Saint-Quentin, France) and Instituto Superior Técnico (University of Lisbon) (01/01/1998 – 01/01/2004).
- Member of the PhD Board in Electronic and Automatic Engineering (from 01/01/2000).
- SOCRATES Delegate of the Faculty of Engineering (01/01/2004 – 01/01/2007).
- Internationalization Delegate of the Faculty of Engineering and of the University of Catania (01/01/2007 – 01/07/2009).
- Rector's Delegate for internationalization (1/2007 – 07/2009).
- Erasmus Coordinator for the University of Catania (1/2007 – 07/2009).

Coordinator of the Engineering thematic unit within the Jean Monnet Module “New skills for new challenges: sharing and boosting knowledge on European Policies” (2009–2011), University of Catania.

- Erasmus Coordinator between the University of Catania and the University of Amiens (France) (01/01/2009 – 01/01/2012).
- Invited by CNRS-France to deliver a lecture series at the University of Brest (France) (01/02/2009 – 15/02/2009).
- Erasmus Coordinator between DIEEI (University of Catania) and the University of Bilbao (Spain) (01/01/2012 – 01/01/2022).
- Visiting Professor at the University of Bilbao (Spain) (09/2013).
- Eligible for selection to serve on Associate/Full Professor habilitation committees for macro-sector 9C2 (01/07/2012 – 31/07/2012).
- Chair of the MSc Programme in Management Engineering, University of Catania (01/10/2012 – 01/10/2020).
- Chair of the Joint Student–Faculty Committee (CPDS), Department of Electrical, Electronic and Computer Engineering, University of Catania (12/2017 – 10/2019).
- Erasmus Coordinator between DIEEI (University of Catania) and the University of Portsmouth (UK) (01/01/2014 – 01/01/2018).
- Rector's Delegate for the digitalization, regulation and simplification of teaching activities at the University of Catania (12/2017 – 07/2019).
- Coordinator of a project funded under the “Attraction and Mobility of Researchers” call, PON 2014–2020.

- Since 02/2019: Rector's Delegate for Energy within the Italian University Network for Sustainable Development (RUS).
- Rector's Delegate for Teaching (11/2019 – 06/2025).
- Chair of the University Teaching Committee from 11/2019 to 06/2025
- Member of the University Staff Development Committee for teaching (11/2019 – 07/2025).
- Chair of the University Student Disciplinary Committee (05/11/2021 – 05/11/2025).
- Scientific Coordinator of the project team for the implementation of ISO 50001 in the buildings of the University of Catania (6/2024).
- Author of ~170 scientific publications in national and international journals and conferences on energy management, renewable energy sources, and heat transfer.

Alberto Fichera