

PERSONAL INFORMATION



Fabio Matera

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E-Mail CNR - IMM fabio.matera@cnr.it
Hydron Engineering fabio.matera@hydronengineering.eu
Private info@imatera.eu

LinkedIn

Sex male

Date of birth 18/03/1968

Nationality Italian

WORK EXPERIENCE

2023 - today

Researcher

Institute of Microelectronics and Microsystems (IMM)
National Research Council of Italy (CNR)
Address: VIII strada n.5, Zona Industriale, 95121 Catania (Italy)

Business/area of expertise

Polymer Electrolyte Fuel Cells, Hydrogen Storage, Electrochemical Hydrogen Compression and Purification, Photovoltaic testing

2018 - today

Co-Founder and CTO

Hydron Engineering srl

Business/area of expertise

PEM Fuel Cell systems for underwater application
Energy storage systems
Powerplant automation systems
Indoor monitoring systems for submarines

2001 - 2022

Researcher

Institute of Advanced Energy Technologies "Nicola Giordano"
National Research Council of Italy (CNR)
Address: salita S. Lucia sopra Contesse, 5 – 90121 MESSINA (Italy)

Business/area of expertise

Polymer Electrolyte Fuel Cells, Hydrogen Storage, Electrochemical Hydrogen Compression and Purification, Photovoltaic testing

- 1999 - 2001 **Technical Manager**
- Ponte di Archimede nello Stretto di Messina S.p.A., Messina – Italy
- Business/area of expertise: Pilot plant design and construction for Polymer Electrolyte Electrode manufacturing
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- 1999 **Production Manager**
- VED Engineering srl, Siracusa – Italy
- Business / area of expertise: Oil & Gas sealing manufacturing, installation and on-site maintenance
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- 1998 – 1999 **Grant Researcher (Grant Award)**
- FIAT Research Center (CRF)
- Business / area of expertise: Automotive Fuel Cell systems

EDUCATION AND TRAINING

- 2007 - 2010 **Ph. D. in Electronic Engineering, Automation and Complex System Control**
(Ingegneria elettronica, automatica e del controllo dei sistemi complessi)
- Dept. of Electrical, Electronics and Systems Engineering (DIEES), University of Catania (Italy)
- Planar passive direct alcohol fuel cell system for portable applications
 - Single-step high-pressure hydrogen production from renewable power sources
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- 1997 **Master Degree in Mechanical Engineering**
- Faculty of Mechanical Engineering, University of Catania – Italy
- Resilient automation systems for Class 1 risk areas in oil & gas industry for coke production

LANGUAGE

- Mother tongue(s) Italian
- Other language(s) English (C1)

ADDITIONAL INFORMATION

- Publications Discover all the publications related to my research activity by exploring the official list at:
<https://publications.cnr.it/authors/fabio.matera>
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- Hobbies Sailing (Atlantic crossing from Canary to Grenada Island on January 2023)
Guitar playing
Outdoor activities