

PERSONAL INFORMATION

Fabio Matera

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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

Hydron Engineering srl

Business/area of expertise

PEM Fuel Cell systems for underwater application

Energy storage systems

Powerplant automation systems

Indoor gas 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

1999 **Production Manager**

VED Engineering srl, Siracusa – Italy

Business / area of expertise: Oil & Gas sealing manufacturing, installation and on-site maintenance

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
- Singe-step high-pressure hydrogen production from renewable power sources

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

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