

PERSONAL INFORMATION

Testa Veronica



📍 Department of Engineering Enzo Ferrari – Modena

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Sex Female | [Date of birth](#) 20/06/1990 | [Nationality](#) Italian

SCIENTIFIC ISSUES

Materials Science; research and development activities in the areas of hydrogen fuel cells, testing and checking of materials and coatings; microstructural and mechanical characterization, materials' optimization of protective coatings from wear and corrosion.

WORK EXPERIENCE

15/02/2026 – 14/02/2028

Researcher - t.d. art. 24 c. 3 lett. A - Material Science and Technology – ING/IND22

University of Modena e Reggio Emilia – Department of Engineering Enzo Ferrari - Modena

Project: HyAcademy (European Hydrogen Academy) <https://hyacademy.eu/>

Research areas: Hydrogen Education, Capacity Building & Net-Zero Skills Development, production, transportation, storage and distribution of green hydrogen, and the capture, sequestration, purification, and use of CO₂. Particular attention is given to new technologies, components, methods, and systems to improve the efficiency of fuel cells, electrolyzers, and PEMFC-type compressors.

Teaching - University of Modena e Reggio Emilia – Department of engineering Enzo Ferrari

- **Assistant professor for “Fuel cells”** - Civil and Environmental engineering (D.M.270/04)
- Thesis supervisor

15/02/2023 – 14/02/2026

Researcher - t.d. art. 24 c. 3 lett. A - Material Science and Technology – ING/IND22

University of Modena e Reggio Emilia – Department of Engineering Enzo Ferrari – Modena

Project: Ecosister (Ecosistema Territoriale di Innovazione dell’Emilia-Romagna) <https://ecosister.it/>

Research areas: production, transportation, storage and distribution of green hydrogen, and the capture, sequestration, purification, and use of CO₂. Particular attention is given to new technologies, components, methods, and systems to improve the efficiency of fuel cells, electrolyzers, and PEMFC-type compressors.

Teaching - University of Modena e Reggio Emilia – Department of engineering Enzo Ferrari -

- **Assistant professor for “Fuel cells”** - Civil and Environmental engineering (D.M.270/04)
- Thesis supervisor

01/09/2022 – 14/02/2023

Secondary school teacher “Dental materials science and technology”

Istituto superiore professionale IPSIA "Fermo Corni" - address odontotecnico - Modena

15/07/2022 – 31/08/2022

Research Fellow

University of Modena e Reggio Emilia – Department of engineering Enzo Ferrari - Modena

“Thermal barrier coatings: process parameters optimization”

16/07/2021 – 15/07/2022

Research Fellow

University of Modena e Reggio Emilia – Department of engineering Enzo Ferrari - Modena

“HVOF and HVOF protective coatings: alternatives to the state of the art”

16/07/2018 – 15/07/2021

Research Fellow

University of Modena e Reggio Emilia – Department of engineering Enzo Ferrari - Modena

“Anti-wear coatings deposited by high velocity thermal spray process (es: HVOF)”

16/07/2017 - 15/07/2018

Research Fellow

University of Modena e Reggio Emilia – Interdepartmental Centre for Applied research – INTERMECH “ Thermal sprayed coatings for sliding wear and erosion resistance”

- 03/2014–06/2017 **Student tutoring**
Private collaborations, Modena (Italy)
Tutor for high school students. I help them to study Math, Physics, Geometry, Chemistry
- 10/2016 – 12/2016 **Student tutoring in the chem lab**
University of Modena e Reggio Emilia, Modena (Italy)
University's project "Fondo Sostegno Giovani" at University of Modena and Reggio Emilia.
Assistant for chemical experiments: solubility tests, measuring pH, corrosion of metallic materials, batteries.
- 07/01/2013–04/03/2013 **Internship for graduation**
University of Catania, Catania (Italy)
Examination of technical Datasheet to solve the vehicles' anomalies; Computer -aided diagnosis with staff of the establishment.

EDUCATION AND TRAINING

- 07/03/2025 **ASN National Scientific Qualification – II**
Sector 09/A3- INDUSTRIAL DESIGN, MECHANICAL CONSTRUCTION AND METALLURGY
- 18/03/2025 **ASN National Scientific Qualification – II**
Sector 09/D1- MATERIALS SCIENCE AND TECHNOLOGY
- 16/03/2021 **Ph.D - Industrial and Environmental Engineering (E4E -- Economics for Engineering)**
University of Modena e Reggio Emilia - Department of engineering Enzo Ferrari
Thesis: “ Development and Characterization of CRM-free Thermal Spray Coatings”
Experimental activities:
- ✓ Powders and coatings microstructural analysis (ESEM - Quanta-200, FEI-ThermoFisher Scientific)
 - ✓ Mechanical properties of coatings - Vickers hardness and elastic modulus (Micro-Combi, Anton-Paar TriTec, Peseux, Switzerland)
 - ✓ Wear behaviour (“pin-on-disc test” - Room and High Temperature Tribometer, Anton-Paar TriTec, Corcelles, CH and “steel-wheel test”)
 - ✓ Corrosion resistance – polarization test (K0235 flat cell: Ametek SI)
- 12/04/2017 **Graduated in Material Engineering (Vote : 110/110 e lode)** Livello 7 QEQ
University of Modena and Reggio Emilia, Modena (Italy)
Thesis: "Effect of Sealing of Thermal Spray Coatings on Corrosion Protection".
Experimental activities:
- ✓ Characterization of commercial polymeric sealants, extrusion and moulding of plastics, viscosity measurement, surface tension measurement
 - ✓ Evaluation of mechanical behaviour: tensile tests
 - ✓ Chemical analysis: electron microscopy
 - ✓ Corrosion resistance of thermal sprayed coatings (polarization test and corrodokote test)
- 25/03/2014 **Graduated in Mechanical Engineering (Vote: 109/110)** EQF level 6
University of Catania, Catania (Italy)
Thesis : "Looking for efficient materials to build a heat exchanger using genetic algorithms ”
Experimental activities:
- ✓ Finding suitable materials for a tube heat exchanger;
 - ✓ implementation of a genetic algorithm in MATLAB computing environment.
- 07/2009 **Scientific Certificate (Vote: 98/100)** EQF level 4
II.SS, Scientific Secondary School, Troina (EN) (Italy)

PERSONAL SKILLS

Native language Italiano

Other Language(s) English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken Interaction	Spoken Production	
B2	B2	B1	A2	B2
Trinity College London- Diploma di studi in lingua Inglese (B2) – maggio 2008				

Levels: A1 and A2: Basic User - B1 and B2: Standalone User - C1 and C2: Advanced User
<https://europass.europa.eu/it/common-european-framework-reference-language-skills>

Communication skills Good communication skills gained through my experiences as tutor; good relationships skills gained during university life; willingness to listen.

Managerial skills Good organisational skills gained during university life; Good team working skills gained during university exams; Perseverance.

Information Processing	Communication	Content creation	Safety	Problem Solving
Independent User	Independent User	Independent User	Independent User	Independent User

Digital competences - Self-assessment grid

Digital competences Software – Excellent mastery of use:

- Office Suite (word processor, Slideshow software, spreadsheets);
- Origin for data analysis and graphing
- Autocad, Solidworks, Catia for modeling;
- Ansys GRANTA Edupack for material selection.

Good mastery – basic knowledge:

- C++ - programming language
- Comsol Multiphysics for Finite Element Analysis (FEM);
- Matlab.

Technical skills Independent use of laboratory instruments:

- Optical microscope, Scanning electron microscope (ESEM/SEM-FEG) – microstructural analysis
- Raman Spectrometer, IR Diffractometer, XRD Diffractometer – chemical analysis
- Scanning optical profilometer – roughness and surface analysis
- Micro/nano indenter – hardness measurements, elastic modulus and scratch test
- Tribometer with configuration “pin-on-disc” – wear test
- Steel wheel configuration - abrasion test
- Potentiostat - electrochemical tests (polarization, impedance spectroscopy, membrane degradation tests for PEM fuel cells)
- Climate chamber - corrosive tests (CorrodKote)
- Rotational Rheometer – viscosity measurements, flow curves
- OCA instrumentation - contact angle and wettability measurements
- Torsion balance - surface tension measurements of liquids

Interests Passion for math; Love for classical music

Driving licence B

ADDITIONAL INFORMATION

Academic and Industrial Collaboration

- **University West, Trollhättan, Sweden:** Study of Corrosion, Wear, and Abrasion Resistance Properties of HVOF WC-Based Coatings; Research and Characterization of Tribaloy-TiC Hybrid Coatings
- **Research Center Forschungszentrum, Jülich, Germany** - High-Temperature Sliding Wear Behavior of MCrAlY Coatings with Aluminum Oxide Dispersion Reinforcement (ODS)
- **Tampere University, Tampere, Finland** – Investigation of Corrosion Properties of Bond Coats Deposited by Thermal Spraying as Adhesion Layers for Ceramic Coatings
- **Università del Piemonte Orientale "A Avogadro"** - Study of Magnesium Alloys (AZ31), Chosen for Their Low Density and Good Mechanical Properties
- **Metallurgy Group - Department of Engineering Enzo Ferrari - University of Modena and Reggio Emilia** - Study of the Nanomechanical Properties of a CoCrFeNi-Based Alloy
- **SNAM S.p.a - leader in the management of natural gas transportation and storage infrastructure** - Study of hydrogen electrochemical compressors
- **System Ceramics S.p.a** – Rheology of textile inks
- **Athena S.p.a** – Study of gasket

Conferences Proceedings

1. D. Fantozzi, H. Koivuluoto, P. Vuoristo, M. Uusitalo, G. Bolelli, V. Testa, L. Lusvarghi, “*High temperature corrosion properties of thermally sprayed ceramic oxide coatings*”, ITSC2018-Proceeding of the International Thermal Spray Conference, pp. 501-507, 2018
2. I. Cordisco, F. Torri, F. Berni, V. Testa, M. Giacalone, S. Fontanesi, “Influence of Geometric Parameters on the Performance of TPMS-Based Heat Exchangers”. SAE International, 2025

Publication on International journal

1. P. Sassatelli, G. Bolelli, A. Colella, L. Lusvarghi, P. Puddu, R. Rigon, P., V. Testa, “*Properties of HVOF-sprayed TiC-FeCrAl coatings*”, *Wear*, 2018 (Q1)
2. G. Bolelli, A. Colella, L. Lusvarghi, S. Morelli, P. Puddu, E. Righetti, P. Sassatelli, V. Testa “*TiC-NiCr thermal spray coatings as an alternative to WC-CoCr and Cr₃C₂-NiCr*”, *Wear* 2020 (Q1)
3. V. Testa, S. Morelli, G. Bolelli, P. Sassatelli, L. Lusvarghi, B. Benedetti, P. Puddu, “*Alternative metallic matrices for WC-based HVOF coatings*”, *Surface and coating Technology* 2020 (Q1)
4. S. Morelli, V. Testa, G. Bolelli, O. Ligabue, E. Molinari, N. Antolotti, L. Lusvarghi, “*CMAS corrosion of YSZ thermal barrier coatings obtained by different thermal spray processes*”, *Journal of the European Ceramic Society* 2020 (Q1)
5. G. Bolelli, C. Vorkötter, L. Lusvarghi, S. Morelli, V. Testa, R. Vassen, “*Performance of wear resistant MCrAlY coatings with oxide dispersion strengthening*”, *Wear* 2020 (Q1)
6. G. Bolelli, D. Meschini, T. Varis, V. Testa, S. Morelli, L. Lusvarghi, P. Vuoristo, “*Corrosion Properties of Thermally Sprayed Bond Coatings Under Plasma-Sprayed Chromia Coating in Sulfuric Acid Solutions*”, *Journal of Thermal Spray Technology*, 2020 (Q2)
7. V. Testa, S. Morelli, G. Bolelli, L. Lusvarghi, S. Björklund, S. Joshi, “*Micromechanical behaviour and wear resistance of hybrid plasma-sprayed TiC reinforced Tribaloy-400*”, *Surface and coating Technology*, 2021 (Q1)
8. K. Torkashvand, S. Joshi, V. Testa, F. Marra, M. Gupta, “*Tribological behavior of HVOF-sprayed WC-based coatings with alternative binders*”, *Surface and coating Technology* 2022 (Q1)
9. V. Testa, S. Morelli, G. Bolelli, T. Manfredini, L. Lusvarghi, “*Corrosion and wear performances of alternative TiC-based thermal spray coatings*”, *Surface and coating Technology* 2022 (Q1)
10. S. Morelli, S. Bursich, V. Testa, A. Micciché, L. Lusvarghi, “*CMAS corrosion and thermal cycling fatigue resistance of alternative thermal barrier coating materials and architectures: A comparative evaluation*”, *Surface and coating Technology* 2022 (Q1)
11. S. Morelli, G. Rombolà, G. Bolelli, M. Lopresti, P. Puddu, E. Boccaleri, L. Seralessandri, L. Palin, V. Testa, M. Milanese, L. Lusvarghi, “*Hard ultralight systems by thermal spray deposition of WC-CoCr onto AZ31 magnesium alloy*”, *Surface and coating Technology* 2022 (Q1)
12. G. Bolelli, C. Lyphout, L. M. Berger, V. Testa, H. Myalska - Glowacka, P. Puddu, P. Sassatelli, L. Lusvarghi, “*Wear resistance of HVOF- and HVOF-sprayed (Ti,Mo)(C,N)-Ni coatings from an agglomerated and sintered powder*”, *Wear*, 2023 (Q1)
13. M. Lassinantti Gualtieri, E. Colombini, V. Testa, G. Bolelli, R. Giovanardi, P. Veronesi, “*High-Throughput Nanoindentation Mapping of a Microsegregated CoCrFeNi Multi-Principal Element Alloy (MPEA): Challenges and Limitations*”, *Advanced Engineering Materials*, 2023 (Q2)

14. R. Cortés, M. Á. Garrido-Maneiro, H. Koivuluoto, G. Bolelli, S. Morelli, V. Testa, L. Lusvarghi, J. Kondas, P. Poza, “Local wear resistance of Inconel 625 coatings processed by different thermal techniques: A comparative study”, Surface and Coatings Technology, 2023 (Q1)
15. V. Testa, M. Gerardi, L. Zannini, M. Romagnoli, P.E. Santangelo, “Hydrogen production from aluminum reaction with NaOH/H₂O solution: Experiments and insight into reaction kinetics”, International journal of Hydrogen energy, Vol. 83, 589-603, 2024, (Q1)
16. V. Testa, L. Zannini, M. Iaia, F. Roncaglia, M. Romagnoli, "Investigations into 3D Printing of Conductive Inks for Electrode Fabrication in PEM Fuel Cells using a Design of Experiments Approach." Renewable Energy, 123833, (2025), (Q1)
17. V. Testa, P. E. Santangelo, A. d’Adamo, M. Romagnoli, “Tailoring relevant thermophysical properties of SiO₂- and TiO₂-based nanofluids for cooling Proton Exchange Membrane Fuel Cell systems”, submitted to International Journal of Heat and Mass Transfer (Q1)

Book section

M. Romagnoli, V. Testa, “Perspective Chapter: Methanol as a Fuel for Direct Methanol Fuel Cells (DMFCs) – Principles and Performance”, OPEN ACCESS PEER-REVIEWED CHAPTER, 2023

Oral presentation or Poster to National/international conferences (author and speaker)

- 2-3/05/2019 **YSME 2019, Young Materials and Surface Engineers, ROMA**
V. Testa, G. Bolelli, E. Righetti, P. Sassatelli, F. Casadei, A. Colella, L. Lusvarghi,
“Wear and corrosion resistance properties of HVOF TiC-NiCr coatings” (“Poster Session” – **Awarded as best poster**)
- 21-24/07/2019 **XII INSTM CONFERENCE-XV AIMAT (Associazione Italiana di Ingegneria dei Materiali) - CONFERENCE, ISCHIA (NA)**
V. Testa, G. Bolelli, A. Colella, L. Lusvarghi, S. Morelli, P. Puddu, E. Righetti, P. Sassatelli,
“Development Of W-Free Thermal Spray Coatings Based On TiC-NiCr”
- 11-13/12/2019 **RIPT 2019 - LES RENCONTRES INTERNATIONALES DE LA PROJECTION THERMIQUE - JULICH**
V. Testa, G. Bolelli, A. Colella, L. Lusvarghi, S. Morelli, P. Puddu, E. Righetti, P. Sassatelli,
“HVOF and HVOF processing of critical materials-free TiC-NiCr coating”
- 24-28/05/2021 **ITSC 2021 - INTERNATIONAL THERMAL SPRAY CONFERENCE Quebec City- Canada – online**
V. Testa, B. Benedetti, G. Bolelli, S. Morelli, P. Puddu, P. Sassatelli, L. Lusvarghi,
“WC-based hardmetal coatings with Co-Free matrices: microstructure and properties”
- 15-18/09/2021 **AIMAT 2021 – Associazione Italiana di Ingegneria dei Materiali - Cagliari (Italia)**
V. Testa, S. Morelli, G. Bolelli, B. Benedetti, P. Puddu, P. Sassatelli, L. Lusvarghi,
“Cobalt-free matrices for hardmetal coatings” - (“Poster Session” – **Awarded as best poster**)
- 3-6/05/2022 **ITSC 2022 – INTERNATIONAL THERMAL SPRAY CONFERENCE - Vienna (Austria)**
V. Testa, G. Bolelli, S. Morelli, L. Lusvarghi, M. Gupta, K. Torkashvand, S. Joshi,
“Tribological behaviour of HVOF-sprayed WC-based coatings with alternative binders”
- 28/05-1/06/2023 **AIMAT 2023 – Associazione Italiana di Ingegneria dei Materiali - Catania (Italia)**
V. Testa, A. Pellacani, M. Romagnoli,
“Thermal conductivity enhancement of TiN and SiO₂ nanofluids”
- 13-15/09/2023 **EFC23 – European Fuel Cells and Hydrogen - Capri (Italia)**
V. Testa, M. Romagnoli, M. Cannio, A. D’Adamo, P. E. Santangelo,
“Thermal properties enhancement and heat transfer evaluation of Ti- and Si -based nanofluids for fuel cells cooling systems”
- 31/08-1/09/2025 **AIMAT 2025 – Associazione Italiana di Ingegneria dei Materiali - Ischia (Italia)**
V. Testa, L. Zannini, M. Romagnoli, P. E. Santangelo
“Hydrogen Production from Recycled Aluminum Foils and Waste: Reactivity and Kinetic Analysis in Alkaline Solution”

Contribution/partecipation to national/international conferences (as co-author)

- 7-10/05/2018 **ITSC 2018 – INTERNATIONAL THERMAL SPRAY CONFERENCE – ORLANDO - FLORIDA**
D. Fantozzi, H. Koivuluoto, P. Vuoristo, M. Uusitalo, G. Bolelli, V. Testa, L. Lusvarghi,
“High temperature corrosion properties of thermally sprayed ceramic oxide coatings”

- 4-8/06/2018 **CIMTEC 2018, 14th Ceramics Congress - PERUGIA**
- G. Bolelli, L. Lusvarghi, T. Manfredini, P. Puddu, V. Testa,
“Wear Resistant Thermal Spray Coatings”
- G. Bolelli, L. Lusvarghi, T. Manfredini, P. Puddu, V. Testa,
“Finite Element (FE) Modeling of Thermal Spray Coatings: Case Study”
- 24/05/2018 **THE GEAR DAY – MODENA - participation**
M. Bononi, R. Giovanardi, L. Lusvarghi, T. Manfredini, P. Puddu, V. Testa, A. Ballestrazzi, E. Gualtieri, A. Rota, S. Valeri, “Trattamenti Superficiali e Ricoprimenti per Ingranaggi”
- 18-19/04/2018 **6° WORKSHOP A.I.T - TRIBOLOGIA E INDUSTRIA - TORINO - participation**
- P. Puddu, V. Testa, G. Bolelli, E. Gualtieri, A. Rota, L. Lusvarghi,
“Critical materials Replacement in Wear Resistant Thermal Spray Coatings”
- E. Serpini, A. Rota, P. Puddu, V. Testa, S. Valeri,
“Friction mechanisms in MoS₂ thin films: role of humidity and recrystallization phenomena”
- 26-29/05/2019 **ITSC 2019 - INTERNATIONAL THERMAL SPRAY CONFERENCE – YOKOHAMA – JAPAN**
H. Koivuluoto, V. Testa, S. Morelli, G. Bolelli, J. Kondas, L. Lusvarghi,
“Corrosion properties of advanced cold-sprayed tantalum and titanium coatings”
- 21-24/07/2019 **XII INSTM CONFERENCE-XV AIMAT CONFERENCE, ISCHIA (NA) - participation**
S. Morelli, N. Antolotti, G. Bolelli, O. Ligabue, L. Lusvarghi, F. Marra, P. Puddu, G. Pulci, F. Sarasini, V. Testa,
“High-Temperature Erosion of Suspension Plasma Sprayed Thermal Barrier Coatings
- 11-13/12/2019 **RIPT 2019 - LES RENCONTRES INTERNATIONALES DE LA PROJECTION THERMIQUE – JULICH - participation**
S. Morelli, N. Antolotti, G. Bolelli, O. Ligabue, L. Lusvarghi, F. Marra, P. Puddu, G. Pulci, F. Sarasini, V. Testa,
“CMAS corrosion of conventional atmospheric plasma sprayed (APS), dense-vertically cracked (DVC) and suspension plasma sprayed (SPS) YSZ thermal barrier coatings (TBCs)”
- 4/06/2020 **WORKSHOP AIT “TRIBOLOGIA E INDUSTRIA” – PISA – online participation**
V. Testa, S. Morelli, G. Bolelli, P. Puddu, B. Benedetti, P. Sassatelli, L. Lusvarghi, “Wear resistance of WC-based coatings with Co-free matrices”
- 24-28/05/2021 **ITSC 2021 - Quebec City- Canada – online participation**
S. Morelli, G. Bolelli, S. Bursich, O. Ligabue, A. Micciché, V. Testa, N. Antolotti, L. Lusvarghi,
“CMAS corrosion of dense-vertically cracked thermal barrier coatings: influence of the coating materials”
- 15-18/09/2021 **AIMAT 2021 - Associazione Italiana di Ingegneria dei Materiali – Cagliari (Italia) - participation**
S. Morelli, G. Bolelli, S. Bursich, V. Testa, A. Micciché, N. Antolotti, L. Lusvarghi,
“Influence of the coating materials and architecture on the CMAS corrosion resistance of dense-vertically cracked thermal barrier coatings”
- 3-6/05/2022 **ITSC 2022 - INTERNATIONAL THERMAL SPRAY CONFERENCE - Vienna (Austria) - participation**
S. Bursich, G. Bolelli, L. Lusvarghi, S. Morelli, V. Testa, F. Mecca,
“Multilayer ceramic YSZ coatings for industrial TBCs: How architecture and powder morphology influence the coating performance”
- 27-29/04/2022 **TURBINE FORUM 2022**
S. Bursich, G. Bolelli, L. Lusvarghi, S. Morelli, V. Testa, S. Petruzzi,
“The Effect of Ceramic YSZ Powder Morphology on Coating Performance for Industrial TBCs”
- 11 – 13/03/2025 **Hydrogen: Power, Production, and Materials 2025 - TechTower in Pilsen (Repubblica Ceca)**
M. Iaia, L. Zannini, V. Testa, M. Romagnoli
Investigation into 3D printing of conductive inks for electrode fabrication in PEM Fuel Cells using a Design of Experiments approach
- 2-4/07/2025 **EFCF 25 - EUROPEAN FUEL CELL CONFERENCE – Lucerna (Svizzera)**
L. Zannini, V. Testa, M. Romagnoli, P.E. Santangelo
Hydrogen production from aluminum reaction with NaOH/H₂O solution: experiments and insight into reaction kinetics

- 10 - 12/07/2025 **WFCC – WORLD FUEL CELL CONFERENCE 2025 – Hong Kong (Cina)**
L. Zannini, V. Testa, M. Iaia, M. Romagnoli
Design and Implementation of a Prototype Line for Automated 3D Printing Deposition of Proton Exchange Membrane Fuel Cell (PEMFC) Electrodes (awarded to best paper)
- M. Iaia, L. Zannini, V. Testa, M. Romagnoli
Investigation into 3D Printing Uniformity of Conductive Inks for Electrodes in Proton Exchange Membrane (PEM) via Design Of Experiment (awarded to best oral presentation)
- 17 – 19/09/25 **EFC25 – European Fuel Cells and Hydrogen - Capri (Italia)**
L. Zannini, V. Testa, M. Iaia, M. Romagnoli, F. Roncaglia
Design of Experiment (DOE) for Optimising Automated 3D Printing of Proton Exchange Membrane Fuel Cell (PEMFC) Electrodes

Congress organization

- Chair - **ITSC 2022 - INTERNATIONAL THERMAL SPRAY CONFERENCE - Vienna (Austria)**
Chair - **EFCF 2025 – EUROPEAN FUEL CELL CONFERENCE – Lucerna (Svizzera)**

Participation in Conferences and Summer Schools

- 2019 **33rd SMT - International Conference on Surface Modification Technologies – Napoli (Italy)**
2020 **7th AIT Workshop "Tribology and Industry" - Online Mode**
2022 **21st AIMAT School - Materials in the Energy Transition – Ischia (Italy)**
2024 **1st Summer School on “Open Innovation Management for Sustainable Transition,” organized by Pillar Training under the TTIP Program - part of the PNRR "ECOSISTER" project - Capaccio (Santa Sofia - FC, Italy).**

Paper review

- “Applied Surface Science”, 2024
“Ceramics International”, 2025
“Surfaces and interfaces”, 2025
“International Journal of Applied Glass Science”, 2026

Outreach events – invited speaker

- “Hydrogen Experience” – Giugno 2023 – Autodromo di Vairano, Vidigulfo (PV)
- “Idrogeno E Società”, presso Fondazione ITS-TEC - Settembre 2023 – Ravenna
- Notte della ricerca – UNIMORE – Settembre 2023 - Modena
- Tavoli tecnici RENAEL GREEN HORIZON “ Il contributo dell'idrogeno verde al percorso dei territori verso la neutralità carbonica” – 4 Ottobre 2023 - Roma
- “Idrogeno verde per Hard to Abate” – 27 Ottobre 2023 – Bologna
- Startup Ecosister Day - 22 Novembre 2023 – Bologna
- Incontro annuale soci del cluster Tecnologico Nazionale Energia- 20 Dicembre 2023 – Roma
- "Energia del Futuro: Le Opportunità dell'Idrogeno" – 24 Gennaio 2024 – Open day ITS TEC - Sede CNA Modena
- R2B – Research to business – Workshop: H2 community EMILIA-ROMAGNA – 25 Giugno 2025 – Bologna
- “Università e filiera: sinergie per l’innovazione e la formazione tecnica avanzata” – Inaugurazione SEDE ITS Academy Ravenna – 9 Ottobre 2025
- Ecomondo – Workshop Ecosister (Spoke2) - Linea di produzione di componenti per celle a combustibile – Rimini – 4 Novembre 2025

In compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance to art. 7 of the above mentioned decree.

In accordance with Articles 46 and 47 of Presidential Decree No. 445 of December 28, 2000, I hereby declare that the information contained in this Curriculum Vitae is true and accurate.