ANGELA GONDOLINI

FORLI' (ITALY), 03/09/1985

CONTACTS

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Via Granarolo, 64 Faenza (RA), 48018, Italy

LANGUAGE SKILLS

Written and spoken English: good

EXPERIENCE ABROAD

Sept 2013- Feb 2014: Visiting researcher at the German Aerospace Centre (DLR), Stuttgart (Germany) on the topic "Metal Supported Solid Oxide Fuel Cell"

PAPERS & CONGRESSES

ORCID: 0000-0003-1750-9690

Author of more than 40 scientific papers. 1 book chapter.

More than 65 international congress works: 14 Oral, 4 Invited Speeches.

TUTORING

Tutoring of 1 bachelor's and 4 master's degree student (Bologna University), 2 second year trainees (Chimie Paris Tech), 3 research fellow.

WORK EXPERIENCE

PERMANENT RESEARCHER, ISSMC-CNR, (FAENZA)

FROM 27TH DEC 2018

Designing and development of devices for energy application, catalysis, and hydrogen economy, scientific responsible of projects, SOFC/SOEC activity and "Hydrogen Economy" research activity.

FIXED-TERM RESEARCHER, ISTEC-CNR (FAENZA)

FROM 20TH APR 2015 TO 26TH DEC 2018

Activity "Development of innovative Solid Oxide Fuel Cell (SOFC) supported on metallic membrane".

RESEARCH FELLOW, ISTEC-CNR (FAENZA)

FROM 15TH OCT 2009 TO 19TH APR 2015

Activity "Development of material and devices for SOFC and energy applications".

EDUCATION AND TRAINING

PhD IN INDUSTRIAL CHEMISTRY, UNIVERSITY OF BOLOGNA

APRIL 2013

Thesis: "Solid oxide cells for high temperature electrolysis applications (SOEC)"

MASTER'S DEGREE IN PRODUCTS, MATERIALS AND PROCESSES FOR INDUSTRIAL CHEMISTRY

JULY 2009

Thesis: "Microwave assisted synthesis of: $Ce_{1-x}Gd_xO_{2-d}$ for energetics", marks 110/110.

WORKING ACTIVITY

Awards

Young Investigator Award 2018, DSCTM-CNR, Prize for the young research activity on Renewable Energy.

2012 - Winner of the competition "Frontier of Research" (young researchers of the European Ceramic Society).

Grants

2024-2029 MSCA-Staff Exchange "Integration of Advanced Experiments, Computation and Data for innovation in Freeze Casting and Advanced Porous Structures – ice-Link" CNR Scientific Resp.

2023-2025 PRIN-MUR "Nanocomposite multi-ionic Ceria Carbonate Electrodes for New reversible Electrolysis" CNR Scientific Resp.

2022-2025 European Union – NextGeneration EU from the Italian Ministry of Environment and Energy Security POR H_2 AdP "Hydrogen research and development" Scientific Responsible: 2 activities lines.

2024-2026 PR FESR 2021-2027 Emilia Romagna "H_2-Synergy - Green hydrogen and syngas from circular economy obtained by high temperature electrolysis in synergy with gasification of biomass and plastic residues" CNR Scientific Resp.

2019 – 2011 System for the Decontamination and Development of Energy from WATER (SOS-WATER), Ministry of Defence Project - PNMR 2019. Role: Scientific coordinator of the ISTEC-energy section.

2012-2013 - Metallic Sponge Integrated Solid Oxide Fuel Cell (SPICE), Call "Frontier of Research" JECS Trust. Role: Principal Investigator.

ANGELA GONDOLINI

RESEARCHER

OTHER RELEVANT INFORMATION

Member of the working group "hydrogen energy vector" of the GreenTech Cluster of Emilia-Romagna (from 2019).

Member of the working group for the establishment of a potential "Value Chain Off-Shore Electric & HYDROGEN - OSEH" Partnership in the field of "Off-shore Electric & Hydrogen Renewables".

Evaluator for competitive projects.

Referee for international peer-reviewed journals on materials chemistry and ceramic processing.

Member of the organizing committee of the International Conference "Ceramics for Energy" for the years 2015 and 2017.

Review Editor di Frontiers in Ceramics – Ceramics Applications (from 2023)

RESPONSABILITY

ISSMC responsible for SPOKE 2 "ECOSYSTEM for sustainable transition in Emilia-Romagna", Project financed by the European Community as part of the National Recovery and Resilience Plan (PNRR) - Next Generation EU - Mission 4, Component 2, investment 1.4, ECS Id. Code 00000033, CUP B89I22000650001. Start date: 1 October 2022. Duration: 36 months.

TECHNICAL AND SCIENTIFIC SKILLS

Design and engineering of ceramic-based devices and systems for energy applications: solid oxide fuel and electrolysis cells (SOFC/SOEC), gas separation membranes (Oxygen, Hydrogen), membrane reactors. Development of porous supports for catalytic application. Synthesis of micro and nano ceramic and metallic powders for energetics and solar conversion.

PROJECTS

PI of 3 research contracts. Key personnel in 4 EU projects, 2 Regional, 13 National Projects, 8 Projects with Industries.

TEACHING & DISSEMINATION

Lecturer for the PhD Course in "Industrial Chemistry" – University of Bologna (2022-2021). Lecturer for the bachelor's degree Course in "Chemistry and Technologies for the Environment and Materials" (2021-2022/2023-2024). High school lecturer in the frame of the project "Towards the future" with the course on "Nanomaterials for Renewable energy" (2019-2022). Member of the Défense committee of Dr Pedro Javier Lloreda Jurado, University of Sevilla (2022)