

DR.GIANLUCA LANDI
CURRICULUM VITAE ET STUDIORUM

PERSONAL DATA

Birth place and date Naples (ITALY), June 13th 1975
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Status Married

CURRENT POSITION

Researcher at the Istituto di Ricerche sulla Combustione - CNR

FORMATION

Degree in Chemical Engineering

obtained on October 26th, 1999 at Engineering Faculty of University of Naples “Federico II” with the vote of 110/110 cum laude. Title of degree thesis: "Adsorption of nitric oxide over ZSM-5 zeolite exchanged with copper".

Ph.D. in Chemical Engineering

obtained on March 17th, 2003 at Engineering Faculty of University of Naples “Federico II”. Title of Ph.D. thesis: "Propane catalytic oxidation to acrylic acid over vanadyl pyrophosphate-based catalysts".

ABROAD EXPERIENCES

December 2000 – November 2001: Research activity at the Institut de Recherches sur la Catalyse – CNRS (Villeurbanne – France) as winner of a Marie Curie Fellowship grant.

SCIENTIFIC COLLABORATIONS

- July 2003 – June 2004: at the Department of Chemical Engineering of the University of Naples; title: “Study of metal oxides based catalysts for selective oxidation processes”.

- February 2005 – January 2007: at the Department of Chemical Engineering of the University of Naples; title: “Partial oxidation of methane to synthesis gas over structured catalysts at short contact time”.
- February – July 2007: at the Department of Chemical Engineering of the University of Naples; title: “Development of catalytic microcombustors”.
- August – December 2007: at the Istituto di Ricerche sulla Combustione of CNR; title: “Catalytic microcombustors for hydrogen and methane-hydrogen mixtures”.

RESPONSABILITY OF RESEARCH PROJECTS

National coordinator of the project RBF10S4OW related to the FIRB2010 “Futuro in Ricerca” call (2012-2016)

Coordinator of the work package “Development and modelling of novel processes for hydrocarbons conversion” (ET.P03.010.002) inserted in the project “Novel processes for hydrocarbons conversion” (ET.P03.010)

Coordinator of the work package “Ignition and quenching conditions of H₂, CO and CO₂ mixtures” of the project “CO₂ capture and clean energy from fossil fuels” of the joint program CNR-MSE

INTERNATIONAL COLLABORATIONS

- Scientific coordinator of a six-month research grant (January-June 2013) of the Italian Foreign Ministry. Student: dr. Hadj Faiçal DERGAL (Algeria). Title project: High pressure catalytic partial oxidation of light hydrocarbons to synthesis gas on Rh-based structured catalysts.
- Scientific coordinator of a six-month research grant (January-June 2013) of the Italian Foreign Ministry. Student: dr. Yassine Azoudj (Algeria). Title project: Effect of sulphur on the performance of Rh-based structured catalyst in the catalytic partial oxidation of light hydrocarbons under pressure.

INTERNATIONAL ACKNOWLEDGEMENTS

- Chairman of the session “Catalyst Preparation and Characterization” at 12th European Congress on Catalysis, Kazan (Russia) August 31st – September 4th 2015
- Chairman of the session “Energy” at 10th Natural Gas Conversion Symposium, Doha (Qatar) March 2nd -7th 2013
- Chairman of the session “Clean Fuel Technologies II” at 11th International Conference on Combustion and Energy Utilization, Coimbra (Portugal) May 9th -13th 2012

- Invited speaker at The first International Congress on Environment and Materials (CIEM 2010) – Alger (Algeria) October 5th -7th 2010
- Chairman at The first International Congress on Environment and Materials (CIEM 2010) – Alger (Algeria) October 5th -7th 2010
- Chairman of the session “Exhaust gas treatment” at the 7th International Workshop on Catalytic Combustion and «Future Concepts in Energy Related Catalysis» 2008, Lake Zurich/Pfäffikon SZ (Swiss) September 29th – October 1st 2008
- Member of the scientific committee of The first International Congress on Environment and Materials (CIEM 2010) – Algiers 5-7 October 2010.
- Referee for international journals: “Journal of Molecular Catalysis A: Chemical”, “Catalysis Today”, “International Journal of Hydrogen Energy”, “Catalysis Letters”, “Industrial & Engineering Chemistry Research”, “Applied Catalysis A: General”, “Applied Catalysis B: Environmental”, “Chemical Engineering Research and Design Official journal of the European Federation of Chemical Engineering: Part A”, “Recent Patents on Chemical Engineering” and “Asia-Pacific Journal of Chemical Engineering”, “Catalysts”, “Microgravity Science and Technology”.

TEACHING ACTIVITY

Adjunct professor for the course “Impianti Chimici Industriali: Gestione e Progetto” at the Science Faculty of the University of Messina during the academic year 2010-2011.

Teacher of the module “Motori a combustione per il T.P.L. ed inquinamento atmosferico” of the post high-school course “Tecnico Superiore per la Mobilità e il Trasporto Pubblico Locale” in 2008.

Assessed with the National Scientific Qualification for Associate Professor in Industrial and Technological Chemistry (March 2017).