



Mariangela Lombardi

Nationality: Phone number:) Email address:

Address:

WORK EXPERIENCE

30/11/2019 – CURRENT Turin, Italy

FULL PROFESSOR OF MATERIALS SCIENCE AND TECHNOLOGY POLITECNICO DI TORINO

30/09/2014 – 29/11/2019 Turin, Italy

ASSOCIATE PROFESSOR OF MATERIALS SCIENCE AND TECHNOLOGY POLITECNICO DI TORINO

15/07/2011 – 29/09/2014 Turin, Italy

ASSISTANT PROFESSOR OF MATERIALS SCIENCE AND TECHNOLOGY POLITECNICO DI TORINO

31/12/2009 – 14/07/2011 Turin, Italy

POST-DOC ISTITUTO ITALIANO DI TECNOLOGIA - IIT@POLITO – CENTER FOR SPACE HUMAN ROBOTICS

Research coordination for the development of distributed sensors based on polymer-ceramic composite materials.

EDUCATION AND TRAINING

31/12/2005 – 30/12/2008 Turin, Italy

EUROPEAN PH.D. IN MATERIALS SCIENCE AND TECHNOLOGY Politecnico di Torino

Address corso Duca degli Abruzzi 24, Turin, Italy Website www.polito.it

18/12/2002 – 15/12/2004 Torino, Italy

MASTER OF SCIENCE IN CHEMISTRY FOR INDUSTRIAL PRODUCTS AND PROCESSES Università di Torino

Address via Giuria, Torino, Italy Website www.unito.it

ADDITIONAL INFORMATION

RESEARCH ACTIVITIES AND PUBLICATIONS

13/02/2005 – CURRENT

Research topics, collaborations and publications

She is involved in applied research in the field of materials concerning: the elaboration of dense and porous materials for environmental or biomedical applications and their mechanical characterization; the characterization of nanocomposite oxide ceramic powders, studying the influence of the phase transformation on the final microstructure of the components, and of pure and substituted nanostructured hydroxyapatite powders, evaluating their thermal stability; the preparation and characterization of polymer-based composites, containing ceramic fillers able to influence their thermal or functional behavior; the characterization of metallic samples prepared through additive manufacturing technologies, in order to evaluate the relationship among thermal treatments, microstructures and final properties. These research activities were carried out in the frame of scientific collaborations with universities, such as Institut National

des Sciences Appliquées (INSA) of Lyon (France), Massachusetts Institute of Technology (MIT) of Boston (USA), University of Roma Tor Vergata (Italy), AGH University of Science and Technology of Krakow (Poland), Ecole Polytechnique Fédérale de Lausanne (EPFL) of Lausanne (Switzerland), Birmingham University (UK), Monash University of Melbourne (Australia), Chalmers University of Technology of Goteborg (Sweden). These research activities were resumed in about 150 papers, published in international scientific journals or proceedings.

15/07/2014 – CURRENT

Research projects

Responsible of international research projects (European Project BOREALIS - The 3A energy class Flexible Machine for the new Additive and Subtractive Manufacturing on next generation of complex 3D metal parts - 2014-2017; European Project AMABLE – AdditiveManufacturABLE - 09/2017-09/2021; European Project MANUELA - Additive Manufacturing Using Metal Pilot Line - 11/2018-11/2022) and national research projects (Piedmonte Region Project VERDE-PIEZO – Da Vibrazioni Ad EneRgia con Dispositivi Eco-compatibili PIEZOelettrici - 2012-2014; Piedmonte Region Project STEPS II – Sistemi e Tecnologie per l'Esplorazione Spaziale - 2013-2015; Piedmonte Region Project – Sviluppo Tecnologico dell'Additive Manufacturing in Piemonte - 2016-2019) and private contracts (ENI S.p.A. - Divisione Exploration & Production – 2011-2013; ENI S.p.A. - Unità GEBR - Breakthrough initiative management – 2014-2021; GE Avio Aereo s.r.l. – 2016-2021; ENEL S.p.A. – 2017-2018; Greenrail s.r.l. – 2016-2018).

ORGANISATIONAL SKILLS

Management/organisational skills From 2022 representative of Politecnico di Torino concerning and Innovative Materials and Lightweighting in National Center for the Sustainable Mobility MOST

From 2019 representative of Politecnico di Torino in EIT Manufacturing

From 2020 member of the Board of Governors of CLC SUD in the frame of EIT Manufacturing

From 2019 member of the research board at Department of Applied Science and Technology

From 2015 to 2019 member of the space and logistic management board at Department of Applied Science and Technology

22/11/2023