



**Mariangela
Lombardi**

CONTACT

Nationality: Italian

WORK EXPERIENCE

01/12/2019 – CURRENT – Turin, Italy

Full Professor of Materials Science and Technology
Politecnico di Torino

01/10/2014 – 30/11/2019 – Turin, Italy

Associate Professor of Materials Science and Technology
Politecnico di Torino

16/07/2011 – 30/09/2014 – Turin, Italy

Assistant Professor of Materials Science and Technology
Politecnico di Torino

01/01/2010 – 15/07/2011 – 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

01/01/2006 – 31/12/2008 – corso Duca degli Abruzzi 24, Turin, Italy

European Ph.D. in Materials Science and Technology
Politecnico di Torino

www.polito.it

19/12/2002 – 16/12/2004 – via Giuria, Torino, Italy

**Master of Science in Chemistry for Industrial Products and
Processes**

Università di Torino

www.unito.it

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

OTHER LANGUAGE(S):

English

Listening
B2

Reading
B2

**Spoken
production**
B2

**Spoken
interaction**
B2

Writing
B2

RESEARCH ACTIVITIES AND PUBLICATIONS

14/02/2005 – 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 120 papers, published in international scientific journals or proceedings.

16/07/2014 – CURRENT

Progetti di ricerca

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).