

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Laura Montanaro**
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E-mail laura.montanaro@polito.it
Nationality Italian
Date of birth January 13, 1960
Gender Female

Work experience

Dates Since October 2000
Occupation or position held Full professor of Materials Science and Technology
Main activities and responsibilities

- Since March 2018 Rector's Delegate for Strategic Assessment at Politecnico of Torino (<https://www.polito.it/ateneo/organizzazione/organi/vicerettori/index.php?lang=en>)
- 2017-2021: President of Aimat, Italian Association of Materials Engineering (www.aimat.net)
- Since June 2019, Editor of the Journal of the European Ceramic Society (<https://www.journals.elsevier.com/journal-of-the-european-ceramic-society/editorial-board>)
- Since 2018, member of the IMT (Institut Mines-Telecom) Scientific Advisory Board (<https://www.imt.fr/en/imt/management-board/#toggle-id-2>)
- Since 2012, Corresponding member of the Academy of Sciences of Torino (established in 1783, <http://www.accademiadelle scienze.it/en/the-academy>)
- Scientific responsible of the INSTM (Italian InterUniversity Consortium on Materials Science and Technology) Reference Laboratory LINCE devoted to Technology and Engineering of Ceramic Materials (http://www.instm.it/en/research/excellence_to_the_power_of_15.aspx)
- Deputy Rector of the Politecnico di Torino, and Responsible of the Quality Assurance Committee of the University, Responsible of the Committee for enhancing the value of the Institutional cultural heritage, from April 2012 to January 2016
- Head of the Doctorate School di Politecnico di Torino, from November 2011 to March 2012
- Vice-head of the Dept. Materials Science and Chemical Engineering, Politecnico di Torino, from October 2007 to November 2011

Name and address of employer	Politecnico di Torino, Dept. of Materials Science and Chemical Engineering (from January 2012 Dept. of Applied Science and Technology DISAT), Corso Duca degli Abruzzi 24, 10129 Torino (Italy)
Type of business or sector	Education /Academic Research
Dates	From November 1998 to September 2000
Occupation or position held	Associate professor of Materials Science and Technology
Name and address of employer	Politecnico di Torino, Dept. of Materials Science and Chemical Engineering, Corso Duca degli Abruzzi 24, 10129 Torino (Italy)

Dates	From June 1990 to October 1998
Occupation or position held	Assistant professor of Materials Science and Technology
Name and address of employer	Politecnico di Torino, Dept. of Materials Science and Chemical Engineering, Corso Duca degli Abruzzi 24, 10129 Torino (Italy)

Education and training

Dates	1987-1990
Title of qualification awarded	European Ph.D. in Materials Processing
Principal subjects/occupational skills covered	Development of new processing routes based on sol-gel techniques for the preparation of ceramic composites
Name and type of organisation providing education and training	Ecole Nationale Supérieure des Mines ENSM, St. Etienne (F) and Institut Nationale Polytechnique INPG de Grenoble (F)

Organisational skills and competences

- Responsible of the Reference Research Centre LINCE of INSTM devoted to Ceramic materials Technology and Engineering, grouping three Italian Universities, precisely Politecnico di Torino, University of Modena and Reggio Emilia, University of Cagliari. The mission of LINCE is to strengthen the relationships between Academia and Companies in the field of traditional and innovative ceramic materials, by promoting knowledge-based technological innovation concerning processes and /or products.
- Responsible of the international scientific relationships of the research group (contacts: INSA Lyon; ENSM St. Etienne; Univ. Limoges; Univ. Stuttgart; CRICB Belgium; EPFL Lausanne; AGH, Krakow,...) and of many industrial contracts (ENI, NNEurope, Thales Alenia Space, Rhone Poulenc, Exxon, Ford Europe,...).

Technical skills and competences

- Involved in applied researches in the field of materials (mainly ceramics, and their composites) for structural, high-temperature, and functional applications, particularly concerning non-conventional synthesis and characterization of pure and composite ceramic powder, development and characterization of porous ceramics; preparation and characterization of polymer-ceramic composite.
- General Chair local of the International Conference XVI ECerS 2019 (<https://www.ecers2019.org/>)
- Winner of the Award for the Best biannual paper published in the Journal of the European Ceramic Society (2009-2010).
- Scientific responsible of an INSTM Research Team in the frame of the European Integrated Project NanoKer, Structural Ceramic Nanocomposites for Top-end functional application, (European VI FP).
- Scientific responsible of WP1: Nanopowder Engineering in the frame of the 7th FP NMP Project LongLife (2012-2015).
- Senior Scientist at the Italian Institute of Technology (IIT) – Center of Space Human Robotics (CSHR) from 2012 to 2014.
- Member of the Scientific Committee of FEMS Euomat 2015; responsible of the Area “Biomaterials and Healthcare”
- Member of the Scientific Committee in the Symposium “Ceramic and Metal-Based Composites for

Additional information

- Harsh Working Conditions” at the First International Conference on Mechanics of Nano, Micro and Macro Composite Structures, Torino (IT), June 18th – 20th 2012.
- Member of the Scientific Committee of several Symposia of CIMTEC Conferences.
 - Member of the evaluation Board of the French CNRS Research Labs working on materials science topics, since 2004.
 - International member in HCERES Committees for the evaluation of French Universities.
 - EC Expert for the H2020 Projects.
 - Member of the general Secretary of the European Society EUROSOLID (on solid reactivity and transformation kinetics) from 1995 to 1997.
 - Past Chair of the TRS (Thermal reactivity of Solid) Committee in frame of ICTAC (International Confederation for thermal analysis and calorimetry), from 1998 to 2008.

Publications

- Member of the Scientific Council of the Italian Interuniversity Consortium on Materials Science and Technology (INSTM) grouping more than 40 Italian Universities working on Materials Science and Technology, with the role of coordinator of the Thematic Area 1 entitled Advanced mechanics, Building materials and Transportation from 2008 to 2012.
- Member of the Italian Association on Materials Engineering (AIMAT), with the role of Vice-President from 2009 to 2013.

Author or co-authors of several National and European patents and of more than 200 papers on International Journals or presented to International Conferences.

