

## PERSONAL INFORMATION

## Laura Esposito



📍 CNR ISTECC,  
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## WORK EXPERIENCE

2000 – Today

**CNR Researcher**

CNR ISTECC National Research Council of Italy – Institute of Science and Technology for Ceramics, Faenza, website: [www.istec.cnr.it](http://www.istec.cnr.it)

- Group leader on structural ceramics. Coordinator of National and International research projects and contracts.

**Sector** Ceramic and composite materials for structural, functional, optical and biomedical applications.

2015 - 2019

**Seconded National Expert at the European Commission**

Directorate General Research and Innovation DG RTD, Unit B. 4 Research Infrastructures, website: [https://ec.europa.eu/info/research-and-innovation/strategy/european-research-infrastructures\\_en](https://ec.europa.eu/info/research-and-innovation/strategy/european-research-infrastructures_en)

- Project management. Implementation of the Research Infrastructure Work Programme. Reference person for innovation actions. In charge of the secretariat of the Res. Infr. Programme Committee.

**Sector** Research infrastructures.

1995 -1999

**Research Fellow (sponsored by LBNL Berkeley CA USA and CNR Italy)**

University of California at Berkeley, and Lawrence Berkeley National Laboratory (LBNL), Berkeley CA, USA, website: [www.lbl.gov](http://www.lbl.gov)

- Responsible of a research project on ceramics and glasses at high temperature.

**Sector** Advanced materials with superior chemical, physical and mechanical properties.

1992 - 1994

**Research Fellow (sponsored by CNR Italy and private enterprises)**

CNR ISTECC National Research Council of Italy – Institute of Science and Technology for Ceramics, Faenza website: [www.istec.cnr.it](http://www.istec.cnr.it)

- Coordinator of the research activities on ceramic substrates for electronic applications and ceramic joining.

**Sector** Advanced and ancient ceramic materials.

1993 **Research Fellow Stage**

Centre for Technical Ceramics, Eindhoven University of Technology, Eindhoven, The Netherlands website: [www.tue.nl](http://www.tue.nl)

- Researcher in a team that investigates the equilibrium stability of ceramic and metallic systems at high temperature.

**Sector** Phase diagrams construction and related experimental validation.

1989 -1991

**Researcher**

Keramont S.p.A., Montedison Group, Novara, Italy.

Responsible of the R&D laboratory.

**Sector** Production and research on AlN-based ceramic substrates for electronic circuits.

1990 **Stage**

Keramont Corporation, Montedison Group, Tucson, Arizona, USA.

- Researcher in the R&D laboratory.

**Sector** Production of AlN –based ceramic substrates.

## EDUCATION AND TRAINING

ISCED 6

**Ph.D. in Industrial Chemistry**

University of Bologna, Italy

- Structural, functional and optical ceramics and composites

1993 -1997

**M.S. in Geological Science**

ISCED 5

University of Bologna, Italy

- Advanced structural ceramics from natural raw materials

1984 - 1989

**M.S. in I.S.I.A.**

ISCED 5

High Institute for Industrial Arts (I.S.I.A.), Faenza Italy

- Traditional ceramics

## PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B2	B2	B2	B2	B2

## Communication skills

Contributor to a productive, collaborative team thanks to twenty-plus years of experience in private and public settings (industries, universities, research institutes, European Commission), both within and outside the EU, in individual and team-oriented work and with associates from different disciplines and institutions.

## Organisational / managerial skills

- Good leadership ability gained as workgroup leader and coordinator of several National and International projects and contracts.
- Practice on the preparation of proposals, drafting briefing notes and speeches on policy and scientific research topics and on the coordination of partners for the submission and execution of European, International and National projects.
- Experience as secretariat reference of International workshops and in the management of scientific laboratories.
- Tutor of M.S. and Ph.D students.

## Computer skills

Competent with most Microsoft Office programs on both Windows and Mac platforms.

## Other skills

- Experience on the preparation of business plans for spin-off societies (Winner of the 2<sup>nd</sup> Price at the Start Cup-Sole 24Ore Edition 2010)
- Included in the reserve list for posts for Seconded National Officials at the European Research Council Executive Agency (ERCEA)

## ADDITIONAL INFORMATION

Project Leader or Partner of numerous European and Italian Projects. Among others:

1. European project "LASERLAB-EUROPE" EC contract no. 284464.
2. PNRM Project "CeMILAP" funded by the Italian Ministry of Defence.
3. Italian Flag project RITMARE, funded by Ministry of Educ..Univ. and Res. (MIUR).
4. European CRAFT Project NOVIGLAS COOP-CT-2004-5123182010-2011.
5. Bilateral Projects with INSA CNRS Lyon in France and with Kyushu University in Japan.

Chief responsible of several contracts with private industries from Italy and Europe. Among others: MBDA Italia S.p.A., CSM S.p.A. Italy, Ledon Lighting Jennersdorf GmbH, Austria, Joanneum Research Institute Austria.

## PUBLICATIONS

Author or co-author of about 70 articles in peer-reviewed International journals and books. Among the latest:

1. N. Saito et al, Chapter "Joining of UHTC Composites Using Metallic Interlayer", in book *Joining Technologies for Composites and Dissimilar Materials, Volume 10* (2017), **2.** L. Esposito, et al, *J. Eur. Ceram. Soc.*, 35 651-561 (2015); **3.** E. Gregorová et al., *Ceram. Intern.*, 41(2015)1129–1138; **3.** E. Cavalli et al., *Mat. Res. Express* 1 045903 (2014); **4.** L. Esposito, et al., *J. Mater. Chem. C*, 2 (47), 10138 – 10148 (2014); **5.** A Pirri, et al., *J of Phys.: Conf. Series* 497 012013 (2014); **6.** W. Pabst et al., *J. Eur. Ceram. Soc.*, 34 2745–2756 (2014); **7.** J. Hostaša et al., *J. Mater. Res.*, 29 19 2288-2296, (2014); **8.** P. Ferrara, et al., *Optics Express*, 22 5 5375-5386 (2014); **9.** M. Serantoni, et al., *Ceram. Intern.*, 40 11837–11844 (2014); **10.** V. Medri et al., *Ceram. Intern.*, 40 10131–10136 (2014); **11.** J. Hostaša, et al., *J. Am. Ceram. Soc.*, 97 8 2602-2606 (2014); **12.** L. Esposito, et al., *J Mater Sci*, 49 654-664 (2014). h-index: 20

Author of more than 50 Technical reports. Speaker, Invited or Chair in International conferences.