

PERSONAL INFORMATION

LORENZO CALABRI



WORK EXPERIENCE

17 September 2018– up Today

Project Manager

ASTER S. Cons. p. A.; CNR Area della Ricerca di Bologna - Via Gobetti, 101 - 40129 - Bologna

- In September 2018 I joined the association Aster as a Project Manager in the field of Mechanics and Materials. ASTER is the Consortium for innovation and technology transfer of Emilia-Romagna. Its partners are the Emilia-Romagna Regional Government, the six Universities and the National Research Centres located in the region, the Regional Union of Chambers of Commerce, working in collaboration with regional Business Associations and Innovation Centres. ASTER works in collaboration with enterprises, universities, research centres and institutions for the development of the innovation ecosystem of the territory.

Business or sector: Innovation in New Materials and New Technology

1 February 2010 – 14 September 2018

COO (Chief Operational Officer) and Partner

TEC STAR s.r.l.; via della Resistenza 7/5 – 41011 Campogalliano (MO)

- In January 2011 I joined the company as a partner. TEC STAR is a very young start-up, involved in the nanotechnology field and in particular in nanoparticles-based material development. I am involved both on technical side, following several projects of new materials, and on business management side dealing with the operational activities of the company. I've been also in charge of 2 European FP7 projects on Nanosafety, concerning the activities assigned to TEC STAR as a partner of those projects (NANOSAFEPACK and NANOMICEX).

Business or sector Nanotechnology (Nanomaterials and nanoparticles)

October 2016 – December 2017

Expert evaluator for the H2020 call H2020-MSCA-IF-2016 and IF-2017

European Commission ; B-1049 Brussels/Belgium; Tel: +32 2 29 92222

- I collaborated as scientific evaluator for proposals presented within the 2016 and 2017 MARIE SKŁODOWSKA-CURIE INDIVIDUAL FELLOWSHIPS (IF) framework.

Business or sector EU funded projects for training of a new generation of researchers

January 2016 – March 2018

Expert evaluator for the H2020 call H2020-MSCA-ITN-2016 and ITN-2018

European Commission ; B-1049 Brussels/Belgium; Tel: +32 2 29 92222

- I collaborated as scientific evaluator for projects presented within the 2016 and 2018 Marie Skłodowska-Curie Action "Innovative Training Networks" (ITN) framework.

Business or sector EU funded projects for training of a new generation of researchers

1 May 2009 – 31 January 2010

Area manager

TEC EUROLAB SRL; v.le Europa, 40 – 41011 Campogalliano (MO)

- Sales manager, developing contacts and connection among TEC EUROLAB and a huge variety of customers.

Business or sector Service (Quality control and Analysis of materials)

- December 2008 – March 2009 **Internship within the Business Development Department**
 Integrated Surface Technologies; 1455 Adams Drive, Suite 1125, Menlo Park, CA 94025
 ▪ Developing new market strategies and analysis for the products designed by the company
Business or sector Innovative Nano-based Materials
- March 2006 – September 2008 **Post-Doc Researcher**
 CNR-INFM - National Research Center on nanoStructures and bioSystems at Surfaces (S3); Via Campi, 213/a, 41125 Modena
 ▪ Post-doctoral fellow (with a post-doc position) with focus on Nanotribology and Nanomechanics (use of SEM, AFM, AFM nanoindentation, Nano-microtribological tests; XPS and Auger surfaces analysis.
Business or sector National Research Center
- March 2004 – September 2004 **Visiting Scholar, PhD**
 Department of Mechanical Engineering at Northwestern University; McCormick School of Engineering and Applied Science; 2145 Sheridan Road, Room B224; Evanston, IL 60208
 ▪ Member of the professor Ruoff group. The activity was about mechanical characterization of nano-structured systems (as nanotube, nanofibers and nanowires).
Business or sector USA University
- EDUCATION AND TRAINING**
- September 2008 – March 2009 **CTE (Certificate for Technological Entrepreneurship)**
 CIE (Center for Innovation and Entrepreneurship) della Santa Clara University-Leavey School of Business – Santa Clara (CA) – USA
 ▪ Business Administration and Technological Entrepreneurship. How to fund and grow-up an hi-tech Start-up. I was admitted at the school with a **Fulbright - Toscana - BEST** grant
- June 2008 **TOEFL Certificate** 109/120
 Educational Testing Service – ETS – TOEFL test
 ▪ TOEFL test (IBT – internet based test).
- January 2003 – December 2005 **Ph.D. in “Machine design and construction”**
 Department DMTI, University of Florence, Florence, Italy
 ▪ Thesis-title: “Nanostructured Materials – NanoComposites and NanoCoatings”. Subject of the research was the study and the mechanical characterization of new materials based on nanostructured systems (such as nanofillers, nanoparticles and nanoclusters for composites and coatings).
- September 1994 – July 2002 **Degree in Mechanical Engineering, 5-year course** 103/110
 Department DMTI, University of Florence, Florence, Italy
 ▪ Thesis title: “High frequency modelling of a junction with resilient elements”; modelling techniques based on a statistical-energy approach (SEA); -modelling techniques based on finite elements (FEM); laboratory equipment to read (LMS, Oros) and elaborate the experimental data.
- July 1994 **Scientific school-leaving certificate.** 51/60
 Liceo-Scientifico “G. Castelnuovo”, Florence, Italy

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
TOEFL Certificate. Level 109/120					
French	A1	A1	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Excellent interpersonal, interacting and self-criticism skills, and good ability in teamwork.
 ▪ I have collaborated as with non-governmental organization , such as Overseas onlus and Bambini nel Deserto onlus, demonstrating collaborative capabilities, even in critical situations

Organisational / managerial skills Excellent organizational skills, both in corporate management and in technical projects.
 ▪ The entrepreneurial experience has provided me the opportunity to strengthen my organizational skills, especially in the context of business management

Job-related skills Excellent skills in the use of highly technological equipment for basic and applied research. Proven experience and skills in the use of equipments, such as SEM (scanning electric microscope); AFM (Atomic Force Microscope); AFM nano indentation; optical microscopes; Nano-Microtribometers. Good accounting skills, gained during my entrepreneurial experience in a Hi-Tech SME.

Digital competence	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Independent user	Independent user	Independent user	Basic user	Independent user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Replace with name of ICT-certificate(s)

- good command of office suite (word processor, spread sheet, presentation software)
- good command of google suite (google, gmail, drive, calendar, keep,)
- good command of data analysis software (Origin)
- good command of 2D and 3D drawing software (AutoCAD, SolidWorks) and software for modeling FEM and mathematical calculation (ANSYS; VisualNastran (Working model); ESEA, AutoSEA; Matlab, MathCAD; WSXM, SPIP)
- Photo and video editing software gained as an amateur video maker (Adobe Photoshop and Premier).

Driving licence Driving licence categories:
 A ans B

ADDITIONAL INFORMATION

Publications

- Pugno, N., Calabri, L., Materials Science and Technology 28 (9-10) (2012), 1156-1160.
- D. Marchetto, A. Rota, L. Calabri, G.C. Gazzadi, C. Menozzi, S. Valeri, Wear 268 (3–4), 2010, 488-492.
- Calabri, L., Pugno, N., Menozzi, C., Valeri, S., IOP – Journal of Physics: Condensed Matter 20(47), (2008), 474208.
- E. Gualtieri, A. Borghi, L. Calabri, N. Pugno, S. Valeri, Tribology International, 42 (5), 2009, 699-705.
- Calabri, L., Mantovani, S., Rettighieri, L., Valeri, S., International Journal of Materials Research 99 (8) (2008), 847-851.
- Marchetto, D., Rota, A., Calabri, L., Gazzadi, G.C., Menozzi, C., Valeri, S., Wear 265 (2008), 577-82.
- Gualtieri E, Borghi A, Calabri L, Pugno N, Valeri S, Tribology International (2009), 42: 699-705.
- Capotondi, F., Rettighieri, L., Ballestrazzi, A., Calabri, L., Ferrarini, P., Menozzi, C., Valeri, S., La Metallurgia Italiana, n° 7-8 (2007), 15-20.
- Calabri, L., Pugno, N., Rota, A., Marchetto, D., Valeri, S., IOP – Journal of Physics: Condensed Matter 19 (2007), 395002-013.
- Ding, W., Calabri, L., Chen X., Kohlhaas, K. M., Ruoff, R. S., Composite Science and Technology 66 (2006), 1109-1121.
- Calabri, L., Pugno, N., Ding, W., Ruoff, R. S., IOP – Journal of Physics: Condensed Matter 18 (2006), S2175-S2183.
- Ding, W., Calabri, L., Kohlhaas, K. M., Chen X., Ding, W., Ruoff, R. S., Experimental Mechanics, 47(1), (2007), 25-36.
- Zussman, E., Chen, X., Ding, W., Calabri, L., Dikin, D. A., Quintana, J.P., Ruoff, R. S., Carbon 43 (2005), 2175 –2185

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 “Codice in materia di protezione dei dati personali”.