

Curriculum Vitae

Name: Andrea Lamberti
Citizenship: Italian
Place of birth: Bra (CN)
Date of birth: 28 February 1984
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Spoken Languages: Italian (mother tongue), English (IELTS 6.5)

a) EDUCATION

- PhD in Electronic Devices, February 2013 (Title of the thesis "Metal-Oxide Nanostructures for Energy Applications") Politecnico di Torino
- Master degree in Physical engineering – 110L/110, April 2009 (Title of the thesis "Problematiche di adesione annesse alla fabbricazione di dispositivi microfluidici in PDMS") Politecnico di Torino
- Bachelor degree in Physical engineering – 103/110, September 2007 (Title of the thesis "Realizzazione di uno scatterometro per l'analisi di particolato atmosferico – analisi di immagini") Politecnico di Torino

b) FELLOWSHIPS and HONORS

- Fellowship during PhD period January 2010 – December 2012, Applied Science and Technology Department (DISAT), Politecnico di Torino, Italy.
- Certificate PREMIO LEVI 2015 – the article "A. Lamberti et al. Sci. Rep. 5 (2015) 7808" was judged one of the best 10 paper under evaluation by the award committee.
- Winner of the "Call for Creative Communities 2017" Torino (Italy)
- Winner of the first stage evaluation "3D Printing Grand Challenge" – promoted by Materials Today Communication – Second stage under evaluation

c) TEACHING EXPERIENCE

- "Introduzione alle nanotecnologie", practice Lab, Politecnico di Torino (2013-2014-2015-2016)
- Modulo "Sensoristica MEMS" in MASTER IN INGEGNERIA DEI SISTEMI DI PROPULSIONE, Theory and practice Lab, Politecnico di Torino (2014/2015)
- "Tecnologie per le nanoscienze", Theory and practice Lab, Politecnico di Torino (2015-2016-2017-2018)
- Modulo "Advance sensors for additive manufacturing systems" in MASTER IN ADDITIVE MANUFACTURING Theory and practice Lab, Politecnico di Torino (2015/2016-2016/2017)
- Fisica I, practice Lab, Politecnico di Torino (2016/2017)
- Nanomaterials and nanotechnologies for energy applications, Theory and practice Lab, Politecnico di Torino (2017/2018)

d) CHRONOLOGY OF EMPLOYMENT AND RESEARCH EXPERIENCES

- December 2016 – present: Assistant Professor, Applied Science and Technology Department. (DISAT) - Politecnico di Torino.
- July 2013 – November 2016: Post Doc Research Assistant, Applied Science and Technology Department. (DISAT) - Politecnico di Torino.
- February 2013 – June 2013: Post Doc Fellow Researcher, Center SHR IIT@PoliTo
- January 2010 – December 2012: Scholarship, Center for Space Human Robotics IIT@PoliTo.
- May 2009 – December 2009: Fellowship, Chilab – Microsystems and Material Laboratory.

e) RESEARCH ACTIVITIES

- Study of innovative 2D nanomaterials.
- Technological processes for the fabrication and integration of energy harvesting (solar cells) and storage (supercapacitors) devices.
- Flexible and wearable electronics (fiber-shaped devices).
- Technological processes devoted to microfluidics and MEMS applications.
- **Results were published in 80 journal papers, 3 book chapters, and presented to 23 conferences (12 oral and 11 posters).**

f) INFORMATIC KNOWLEDGE

- Softwares: Comsol Multiphysics (Finite Element Method), Ise_Tcad (F.E.M.), Matlab, AutoCad and Rhinoceros 3D, Origin, Labview, MS Office, Programming languages known: C and C++

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