

CURRICULUM VITAE LUCA CAMILLI

Personal information

Luca Camilli

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Education

October 2007: “Laurea” degree in Materials Science, University of Rome “Tor Vergata” (Rome, Italy). Final score:110/110.

October 2009: “Laurea specialistica” degree in Materials Science and Technology, University of Rome “Tor Vergata” (Rome, Italy). Final score: 110/110 CUM LAUDE

November 2012: PhD in Physics, University of Rome “Tor Vergata” (Rome, Italy)

Research activities

2020 – Today: “Rita Levi Montalcini” fellow (Tenure-track) at the Department of Physics, University of Rome “Tor Vergata” (Italy) - **Research topic:** Materials science, low-dimensional materials

2018 – 2019: Assistant professor (Group leader) at the Institute of micro- and nano-technology, Danish Technical University (Denmark)

2017 – 2018: Visiting Researcher at the Science and Engineering Faculty, Queensland University of Technology (Brisbane, Australia) - **Research topic:** STM investigation of graphene on silicon carbide (Host: Prof. Nunzio Motta)

2015 – 2016: Visiting Researcher at the Department of Physics and Astronomy, Aarhus University (Aarhus, Denmark) - **Research topic:** STM investigation of two-dimensional B-C-N alloy (Host: Prof. Liv Hornekær)

2015 – 2018: Principal Investigator at the Institute of micro- and nano-technology, Danish Technical University (Denmark) (**DFE Mobilex Postdoctoral Fellowship; Marie Curie Individual Fellowship**)

2013 – 2014: Associate Researcher at the Center for functional nanomaterials, Brookhaven National Laboratory (NY, USA) - **Research topic:** Growth and electronic characterization of 2D materials (Supervisor: Dr. Peter Sutter)

2009 – 2012: PhD student at the Physics Department, University of Rome “Tor Vergata” (Rome, Italy) - **Research topic:** Analysis of carbon nanotube growth on stainless steel (Supervisor: Prof. Maurizio De Crescenzi)

Fellowships and awards

2004 to 2009, every year, during my university studies, I got the ADISU scholarship (ADISU being Entity for the right to study in the Lazio Region) as one of the best students in the Faculty of Science at University of Rome “Tor Vergata”.

2009 - Raeli student grant, University of Rome “Tor Vergata” (student grant awarded to the 300 best graduate students of "Tor Vergata" University) (**5.000 EUR**).

2013 – Foundation Blanceflor Boncompagni-Ludovisi grant (16.000 EUR) (Sweden)

2014 – DFF MOBILEX postdoctoral fellowship Grant ID: DFF – 4093-00235 (**330.000 EUR**) – Co-funded by the Danish Council for Independent Research and the European Commission (FP7) (Denmark)

2014 – Marie-Sklodowska Curie fellowship (Individual fellowship, IF) Grant ID: 658327 — 2D Hetero-architecture (**200.000 EUR** - European Commission – Horizon 2020) (<https://cordis.europa.eu/project/id/658327>)

2015 – Travel grant (1.100 EUR) – Otto Mønstedts Foundation (Denmark)

2016 – 66th Noble Laureate Lindau Meeting – I have been chosen as one of the 400 most qualified young scientists who have the opportunity to enrich and share the unique atmosphere of the Lindau Nobel Laureate Meetings (26th June to 1st July 2016).

2016 – Travel grant (1.500 EUR) – Otto Mønstedts Foundation (Denmark)

2017 – Mobility grant (2.000 EUR) – Otto Mønstedts Foundation: STM investigation of graphene on silicon carbide (Australia/Denmark)

2017 – A Committee appointed by the *Italian Ministry of University and Research* judged myself eligible to teach at universities as **Associate Professor** in Experimental Condensed Matter Physics (Sector 02/B1).

2018 – Villum Young Investigator Grant (1.280.000 EUR) – project running for four years, where I am the Principal Investigator. Title: “Two-dimensional silicon for electronics”. (Denmark)

2018 – “Rita Levi Montalcini” program (202.874 EUR) – Italian Ministry of Public Education, University and Research (MIUR)

2019 – Micro Travel Grant (Marie Curie Alumni Association)

Editorial activity

I act as an Editorial Advisory Board member for *Cambridge Scholars Publishing* for its collection of Physics books. (<http://www.cambridgescholars.com/t/PhysicsAdvisory>).

I am Associate Editor for *Nanomaterials and Nanotechnology* (SAGE Journals) (<https://uk.sagepub.com/en-gb/eur/nanomaterials-and-nanotechnology/journal202571#editorial-board>).

I acted as Guest Editor for the special collection “2D material Beyond Graphene: from fundamental physics to applications”, published in *Nanomaterials and Nanotechnology* (SAGE Journals).

I acted as Guest Editor for the special collection “Synthesis, Manipulation, Properties and Applications of Layered Materials”, published in *Materials* (MDPI). (https://www.mdpi.com/journal/materials/special_issues/Synthesis_Materials)

Membership of scientific society

I am a member of the *Marie Curie Alumni Association (MCAA)*, www.mariecuriealumni.eu

Supervision of graduate and PhD students

I have supervised three master’s students, and co-supervised two PhD students (Dr. Adam Carsten Stoot, and Dr. Feng Yu). I am currently the supervisor of one PhD student (M. Galbiati)

Selected conferences and seminars

- **E-MRS 2012 Spring Meeting** - Strasbourg, France, 14 - 18 May 2012 (**Selected speaker**)
“High coercivity of iron-filled carbon nanotubes synthesized on austenitic stainless steel”
- **MRS 2014 Spring Meeting** – San Francisco (CA), USA, 21-25 April, 2014 (**Selected speaker**) “Toward single-layer nano-heterostructures of graphene and hexagonal boron nitride”.
- **EMN fall Meeting** –Las Vegas, NV (USA), 16-19 November 2015 (**INVITED**)
- **NanoSEA 2016** – Giardini Naxos (Italy), 3 – 8 July 2016 (**Selected speaker**) “Growth of periodic 2D hetero-structures on metal surface”
- **Carbonhagen 2017** – Copenhagen (Denmark), 16-17 August 2017 (**Selected speaker**) “Self-assembly of ordered graphene quantum dot arrays”
- **CEPE Annual Conference and General Assembly 2017** – Athens (Greece), 27 – 29 September 2017 (**INVITED**)
“Hybrid graphene-polymer coatings: How graphene finds its way in the world of protective coatings”.
- **2nd World Congress and Expo on Graphene and 2D Materials** – Frankfurt (Germany), 6-7 November 2017 (**PLENARY Speaker**). “Controlled formation of nano-domains in two-dimensional heterostructures”.
- October 2017, “Synthesis and applications of two-dimensional materials and heterostructures”, at University of L’Aquila (L’Aquila, Italy) (**INVITED Seminar**).
- June 2018, “Synthesis and applications of two-dimensional materials and heterostructures”, at the Faculty of Science at the UNED in Madrid, Spain (**INVITED Seminar**) .
(https://contenido.uned.es/ciencias/facultad/Confer_Luca_Camilli_2018.pdf)
- **European Conference on Surface Science ECOSS 34** – Aarhus (Denmark), 26-31 August 2018 (**Selected speaker**).
“Self-assembly of ordered graphene nanodots”.
- **European Conference on Surface Science ECOSS 34** – Aarhus (Denmark), 26-31 August 2018 (**Chair** at the 2D materials session).
- **NANO-M&D 2019** – Paestum (Italy), 4-8 June 2019 (**INVITED**). “Ge-based layered materials with high anisotropy”
- **RPGR 2019** – Matsue (Japan), 6-11 October 2019 (**Selected speaker**). “Controlled layer-by-layer thinning of oxygen-sensitive 2D materials”
- **AVS66** – Columbus (OH, USA), 21-25 October 2019 (**Selected speaker**). “Resolving the Structural and Electronic Properties of Graphene/Ge(110)”