

Curriculum Vitae



Personal information

First name / SURNAME

Lucia SORBA

Work address:

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Nationality

Italian

Date of birth

December 27, 1958

Gender

Female

Present position

Director of the Institute of Nanoscience-CNR, Italy

Personal skills and competences

My main research interest is in the field of experimental semiconductor physics and materials science. The main current research lines are the following:

- Synthesis by molecular beam epitaxy and chemical beam epitaxy of III-V materials.
- Magneto-transport properties of two dimensional electron gases in AlGaAs/GaAs e InAlAs/InGaAs systems.
- Scattering mechanisms, morphological and structural of InAlAs/InGaAs heterostructures.
- Chemical and morphological studies of nanostructures fabricated by local anodic oxidation technique.
- Chemical composition study of self-assembled InAs-GaAs QD and QR.
- Catalyst-assisted growth, transport and structural properties of semiconductor nanowires.

Board memberships and Refereeing activities

Member of Interdisciplinary Panel of Experts, Foundation for Polish Science (2018)

Member of the advisory board of the FET project EFFECT (2017-2018)

Member of the strategic committee FBK – CNR

Member of the strategic committee of SNS – CNR

Member of the EU-FET advisory board (2014-2016)

Member of the selection committee of the NEST prize (2009-2017)

Member of the Evaluation Committee of the IMM Institute of University of Nijmegen NL(2015)

Member of the MIUR selection committee of national Projects PRIN (2012)

Italian DC Member of EU-COST (2010-2014)

Member of the executive board of the NEST INFM Laboratory, Pisa. (2001-2009)

Manuscript referee for the following international Journals: Physical Review Letter, Applied Physics Letters, Crystal Growth and Design, Nanotechnology, Semiconductor Science and Technology, and Nanoletters.

Research proposal referee of the Swedish Research Council (2004-2005-2006).

Research proposal referee of “Bando Ricerca scientifica applicata 2004” Piemont region.

Research proposal referee of CIPE project for the realization of quantum cascade unipolar devices operating in the middle infrared for the detection of gases”, responsible Prof. Scamarcio (2000)

Coordinator of the INFM network for the semiconductor and insulator selection (2001)

Member of several selection committees

Member of the committee of selection for the NEST Prize (2009-2018).

Citation Statistics:

I have published more than 375 papers in peer reviewed international Journal, 1 Nature, 2 Nature Physics, 1 Nature Nanotech, 1 Nature Photonics, 1 Nature Comm, 8 Nano Letter and 16 PRL and they have been cited over 5515 times. **H index=34**

