

Eleonora Alfinito received her physics degree from Università di Salerno, Italy, in 1992 and the doctorate in Physics (PhD) in Physics from "Consorzio Università Bari-Lecce", 1995. She is associate professor in applied physics at Università del Salento, Italy. Her main research interests cover electronic phenomena in biological systems, biosensors, dynamical processes in biophysics, complex networks, statistical physics and her scientific production include one monography and about one hundred papers. She has been member of several international networks, member of some editorial boards, referee for several international journals.

- Member of the EEC project BOND-Bioelectronic Olfactory Neuron Devices, (2009-2012)
- Member of the EEC project SPOT-NOSED-Single Protein Nanobiosensor Grid Array, IST-2001-38899 (2003-2005)
- Member of the Network of ESF COSLAB (2001-2005)
- Member of the ESF Network Topological Defects...(1997-2000)
- Member of the MIUR Prin "Models and Noise Measurements in Nanostructures" 2003-2005
- Member of the MIUR Prin "Theoretical and Computational Study of the Electrical Properties of Large Biomolecules"

Teaching activity:

Regular teaching activity at Engineering Bachelor and Master.

Supervising activity: several Bachelor and Master students.

Referee activity :

Regular activity for Europhysics Letters, Fluctuations and Noise Letters, The Computer Journal, Sensors and Actuators B, IEEE Sensors Journal, Acta biotheoretica, Biosensors, Micromachines, IEEE Sensors Journal, Scientific Reports and VQR 2011-2014 (italian committee for the quality evaluation of research)

Editorial activity:

- Former Member of the Editorial Board of the American Journal of Theoretical and Applied Statistics
- Former Member of the Editorial Board of the PYRAD Journal of Sensors
- Member of the Editorial Board of Chemosensors (MDPI)
- Guest Editor for PLOS- Computational Biology (PLS)

Memberships:

- Former Member of CNISM (Italian Network for condensed matter physics)
- Former Member of ANS (American Nano Society)

Member of the Italian Society for theoretical and applied biophysics

Awards:

Best paper award 2017 INSTICC (Institute for Systems and Technology of Information, Control and Communication)
MIUR fellow FFABR 2017

Coverpage of Biosensors, 10(9)Sept.2020 for the paper "Biosensing cytokine IL-6: A comparative analysis of natural and synthetic receptors" (with M.Beccaria and M. Ciccarese)

Invited talk :

"Protetronics: a toolkit for bioelectronics" CECAM/Psi-k research conference: Biomolecular Electronics, Madrid, 27-31 August, 2018, Universitat Autònoma de Madrid, committee: Linda Angela Zotti, Juan Carlos Cuevas, Ruben Perez.

Publications: 1 Monograph (Pan Stanford Pub.), 3 Conference proceedings (as an Editor), 92 articles in peer-reviewed

international journals, 36 articles in international conference proceedings, 3 chapters in books.
H-index: Scholar 20, Scopus 17; >1300 citations (Scholar)