

## Fortunato Neri's Curriculum Vitae

### Personal

Full Professor of Experimental Physics, University of Messina, Department of Mathematical and Computer Sciences, Physical Sciences and Earth Sciences, University of Messina - Viale F. Stagno d'Alcontres, 31 - 98166 Messina, ITALY

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### Academic Experience

1979 'Laurea' in Physics (110/110 *cum laude*)- University of Messina

1980-1983 **Fellowship** at Institute of Structure of Matter, Faculty of M.F.N. Sciences, University of Messina.

1983-1992 **Researcher**, Faculty of M.F.N. Sciences, University of Messina

1992-2005 **Associate Professor** of *Solid State Physics*, Faculty of M.F.N. Sciences, University of Messina

since 2005 **Full Professor** of *Experimental Physics*, Faculty of M.F.N. Sciences, University of Messina.

### Research Activity

The expertise is mainly related to experimental studies and technological applications developments in the solid state physics field, mostly devoted to thin films deposition techniques, nanostructured materials synthesis and spectroscopic diagnostic investigations. Co-author, of over 200 publications in international scientific journals and of about one hundred communications at international and national conferences (*10/09/2023 document results from SCOPUS: h-index 34, articles 225, citations 4073*).

Current research interests:

- Synthesis and diagnostics of nanostructured materials both in colloidal and thin film form
- Electronic and optical spectroscopy characterization of nanostructured compounds

Manager of the following research laboratories at the Department of Mathematical and Computer Sciences, Physical Sciences and Earth Sciences (University of Messina):

- **Microanalysis Laboratory** (Electron Microscopy SEM, STEM and Microanalysis)
- **Thin Films Laboratory** (X-ray Photoelectron Spectroscopy & Imaging)
- **Nanomaterials Laboratory** (Laser ablation in liquids, ultrasonic spraying and electrospinning for metallic and dielectric nanoaggregates synthesis)
- **Electronics and Chemistry Service Laboratories** (supporting *Micro and Nano-Systems* MNS research group)

Advisor for several doctoral thesis dissertations dealing mainly with experimental research in nanostructured materials and thin film preparations, characterization and applications.

Leader of research activities (INFM), scientific research projects (PRIN local unit) and industrial research projects funded by public institutions (MIUR) and private corporation (ST-Microelectronics).

Co-organizer, since 2003, of the biennial international workshop on *Plasma Production by Laser Ablation* (PPLA).

From 2022 editorial board member of *Materials* scientific magazine (MDPI).

Referee of international scientific journals.

### Teaching Experience

- 1992–today      several courses at the Faculty of M.F.N. Sciences and at the Faculty of Engineering of the Messina University (**Solid State Physics, General Physics, Solid State Electronics, Micro-Optoelectronics Laboratory**; currently: **Spectroscopy and Photonics** (Master's Degree in Physics), **Physics laboratory 2A-2B** (Bachelor's Degree in Physics).
- 1995–1999      Member of the Teachers' Council Doctorate School in “Physics”, University of Messina.
- 2001–2013      Member of the Teachers' Council Doctorate School in “Advanced Technologies for Optoelectronics, Photonics and Electromagnetic Modelling”, University of Messina.
- 2014-today      Member of the Teachers' Council Doctorate School in “Physics”, University of Messina.

Advisor of several thesis dissertations dealing mainly with experimental research in the solid state physics and materials science fields.

### Managerial Experience

- 2003–2007      Vice-Head of the Computer Science Center, University of Messina
- 2004–2007      Chairman of the Physics Teaching Council at the University of Messina.
- 2005–2012      Co-founder and CSO of the academic Spin-Off enterprise *Advanced and NanoMaterials Research* s.r.l., Messina (Italy).
- 2007–2012      Head of the Department of *Physics of Matter and Electronic Engineering* at the University of Messina (Italy).
- 2008-2023      Member of the Board of Directors of the company *Technological District Sicily Micro and Nanosystems* s.c.a.r.l.
- 2013-2015      Member of the Academic Senate of the University of Messina
- 2015-2021      Head of the Department of *Mathematical and Computer Sciences, Physical Sciences and Earth Sciences* of the University of Messina
- 2020-2023      President of the company *Technological District Sicily Micro and Nanosystems* s.c.a.r.l.

Member of various, scientific research related, academic boards.