

PERSONAL INFORMATION



**Giovanni Ausanio**

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RESEARCHGATE <https://www.researchgate.net/profile/Giovanni-Ausanio>

WORK EXPERIENCE

- 2023-present **Full Professor**  
 Italian National Scientific Qualification to function as Full Professor  
 Department of Physics "E. Pancini", Università di Napoli "Federico II"  
 • Scientific research and teaching, Project management and supervision of Master Thesis
- 2015-2023 **Associate Professor**  
 Italian National Scientific Qualification to function as Full Professor  
 Department of Physics "E. Pancini", Università di Napoli "Federico II"  
 • Scientific research and teaching, Project management and supervision of Master Thesis
- 2006- 2015 **Assistant Professor**  
 Department of Physics "E. Pancini", Università di Napoli "Federico II"  
 • Scientific research and teaching, Project management and supervision of Master Thesis
- 2004-2006 **Researcher**  
 CNR-INFN Istituto Nazionale per la Fisica della Materia  
 • Scientific research. Project management and supervision of Master Thesis
- 2000-2001 **Technologist**  
 INFN Istituto Nazionale per la Fisica della Materia  
 • Device and Instruments Development

EDUCATION AND TRAINING

- 2001-2004 **Ph.D in Materials Engineering**  
 Dipartimento di Ingegneria dei Materiali e della Produzione, Università di Napoli "Federico II", University of Napoli, Italy  
 • Realization and characterization of composite for devices
- 1997-1999 **Research grant**  
 INFN Istituto Nazionale per la Fisica della Materia  
 • Applied Physics
- 1997 **Laurea degree in Physics**  
 Università di Napoli "Federico II"  
 • Applied Physics

## PERSONAL SKILLS

## Organisational / managerial skills

- University of Naples Federico II: Physics Department Executive Board Member
- University of Naples Federico II: Director's Delegate for the Engineering headquarters of the Physics Department
- University of Naples Federico II: Council of Polytechnic School and Basic Sciences Member
- Magnetic and Structural Characterization of Innovative Materials Laboratory: Educational and Research Activities Referent
  
- Applied Optics Laboratory: Educational and Research Activities Referent

## SCIENTIFIC PRODUCTIVITY

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- Research Activity**
- Magnetic and morphological study of artificial nanostructures
  - Surface functional coating by Matrix Assisted Pulsed Laser Evaporation (MAPLE)
- Experimental skills**
- Morphological and mechanical characterisation of nanostructures by atomic force microscopy (AFM)
  - Thin film deposition by MAPLE
  - Production, characterization, and modelling of nanocomposite materials exhibiting magnetic properties
  - Magnetic and magnetotransport study of nanostructures using vibration sample magnetometry (VSM)
- Projects**
- (1997-2001) INFM Progetto Sud "Production of magnetoelastic sensors for displacement, vibration and flux measurements". Participant
  - (2001-2003) FIRB Project "Micro-systems based on innovative magnetic materials structured at nano-scale" Participant
  - (2006-2007) PRIN'05 Project ""Production, characterization and modeling of nanogranular films with innovative magnetic, magnetoresistive or magnetoelastic characteristics". Participant
  - (2008-2011) PRIN "Magnetic Nanostructures with Coexistence of Magnetoresistive and Magnetostrictive Properties". Principal Investigator
  - (2011-2012) Academic Project FARO (Financing for the Start of Original Research) "Nanostructured Materials from Copolymers to Blocks for Advanced Electronic and Optical Application" Participant
  - (2011-2015) POR Campania FSE, MASTRI "Materiali e strutture intelligenti". Participant
  - (2012-2015) PON GREEN "Materiali polimerici per la Generazione ed il REcupero di ENergia da fonti rinnovabili". Participant
  - (2012-2014) Academic Project FARO (Financing for the Start of Original Research) " New type auto-active vibration attenuators". Participant
  - (2013-2016) PRIN "Control of Magnetization Dynamics in Magnetic Nanostructures for Information and Communication Technology Applications (DyNanoMag)". Participant
  - (2016-2018) Bilateral Project CNR-BAS (Academy of Sciences- BULGARIA) "Laser-assisted fabrication of composite nanostructures" Participant
  - (2017-2018) Project for University Research "Federico II" Naples entitled "Femtosecond opticAl VOrtex LAsEr beams for the creation of novel surface structures" Participant
  - (2019-2022) PON E-DESIGN "Combinazione di design, elettronica e materiali multifunzionali per nuovi componenti estetici". Participant
  - (2021-2024) Project for University Research "Federico II" Naples entitled "Bacteriostatic functionalization through laser deposition of Catheters by coating with biocompatible graphenic materials" Proponent coordinator