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Dimitrios Louloudakis **Curriculum Vitae**

Personal information

- **First name** : Dimitrios
- **Last name** : Louloudakis
- **Date of birth** : 14 / 03/ 1984
- **Place of birth** : Rethymno
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Academic studies and scientific carrier :

- **2019 – Today : Postdoctoral researcher** at Institute of Electronic Structure and Laser, FORTH, Greece (2D material deposition and measurements)
- **2017 – 2018 : Postdoctoral researcher** at Nanoscience Research Laboratory and Chemical Sensor Laboratory, Faculty of Science, Chiang Mai University (Deposition and characterization of metal oxide coatings for new technological applications)
- **2017 : Postdoctoral researcher** at Research School of Physics and Engineering, Australian National University (Development of GaO materials for light emitting devices)
- **2016 – 2017 : Postdoctoral researcher** on “Smart electrochromic windows for energy saving applications”, TEI of Crete, (IKY Fellowships of Excellence for Postgraduate Studies in Greece – Siemens Program)
- **2012 – 2016 : Ph.D.** (*Growth and study of novel chromic coatings and devices for "smart windows"*), Department of Physics, University of Crete, Heraklion, Crete, Greece
- **2006 – 2009 : Master degree in Microelectronics – Optoelectronics** Department of Physics, University of Crete, Heraklion, Crete, Greece (01/10/2006 to 28/04/2009)
- **2001 – 2006 : Bachelor degree in Physics**, Department of Physics, University of Crete, Heraklion, Crete, Greece
- **2008 – 2015: Laboratory assistant** in Physics Department of University of Crete, Mechanics & Thermodynamics, Electricity-magnetism, Optics

Scientific Collaborations :

- ✓ Instituto de Ciencia de Materiales de Sevilla (CSIC-USE), Sevilla, Spain
- ✓ Nanoscience Research Laboratory and Chemical Sensor Laboratory, Faculty of Science, Chiang Mai University, Thailand

- ✓ Research School of Physics and Engineering, Australian National University, Australia
- ✓ Tyndall National Institute, Ireland
- ✓ National Center for Scientific Research (NCSR) Demokritos, Greece
- ✓ National Technical University of Athens, Greece
- ✓ University of Crete, Greece
- ✓ Institute of Electronic Structure and Laser, FORTH, Greece
- ✓ Center of Materials Technology and Photonics, TEI of Crete, Greece

Research Interests :

Physics, Nanomaterials, Micro-Nano-Opto electronics, Metal oxides, Chromic coatings, Smart windows, Chemical Vapor Deposition, Pulsed Laser Deposition, Spark Method Deposition

Publications in international scientific journals : 27 published paper, 322 citations, h factor=11

Contributions to conferences : International Conferences 18, Oral presentations 7, Poster presentations 25

Participation in Projects :

- I. Leader project, Erasmus Mundus Project, Action 2, Strand 1 funded by the European Audiovisual and Culture Executive Agency (EACEA) of the European Commission
- II. Development of GaO materials for light emitting devices, NANOPHI project, funded by the ERASMUS MUNDUS Action 2 Strand 2 program
- III. Smart and low cost thermochromic windows for energy saving in buildings, Cooperation project funded by Greece, 09ΣYN-32-1185 project.
- IV. Design and fabrication of nanostructured hybrid solar cells with improved performance, Archimedes III project.
- V. Growth and characterization of novel nanostructured layers suitable for the confinement of GHz electromagnetic radiation, Archimedes III project.
- VI. Electrochromic, low cost, advanced windows, Archimedes III project.
- VII. EU ISTFET project NATCO