Antonia Loufardaki

Master student in Materials Science and Technology ,
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Education

September 2017 : Accepted to the master program of Department of Materials Science and Technology, University of Crete

July 2017 : B.Sc. in Physics , University of Crete (7.06/10)

Research experience

- 1/10/2015-30/11/2016: Undergraduate thesis at the Institute of Electronic Structure and Laser of the Foundation for Research and Technology-Hellas (IESL-FORTH)
  "Visible light-induced reversible hydrophilicity of doped metal oxide micro/nano structured surfaces", Supervisors : Prof. Costas Fotakis and Dr. Emmanuel Stratakis

- 1/8/2013-31/7/2015: Research internship with undergraduate scholarship from IESL-FORTH
  "Laser Sintering of Silver (Al) nanoparticles on flexible substrates" , Supervisor : Dr. Emmanuel Stratakis

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- 1/5/2013- 31/7/2013: Practical exercise at the IESL-FORTH
  "Pulsed Laser Deposition of thin films"

Teaching experience

• Spring semester 2019: Teaching assistant of “Physics II Laboratory” (undergraduate course of Department of Materials Science and Technology University of Crete)

• Spring semester 2018 and Fall/Spring semester 2014-2015 : Teaching assistant of “Laser and Modern Optics Lab” (undergraduate course of Physics Dep. University of Crete)

• Fall semester 2011-2012 : Teaching assistant of “Electricity and Magnetism Lab” (undergraduate course of Physics Dep. University of Crete)

Publications

1. A. Loufardaki, E. Orfanoudakis, S. Aslanoglou, C. Fotakis, E. Stratakis, *Photoinduced reversible hydrophilicity of doped metal oxide micro/nano structured surfaces* (in preparation)

2. A. A. Serkov, G. A. Shafeev, E. V. Barmina, A. Loufardaki, E. Stratakis, *Stainless steel surface wettability control via laser ablation in external electric field*, Appl. Phys. A **112**:1067 (2016)

3. F. Gontad, A. Lorusso, A. Klini, A. Loufardaki, M. Panareo, C. Fotakis, A. Perrone, *Picosecond and subpicosecond pulsed laser deposition of Pb thin films*, Phys. Rev. ST Accel. Beams **16** (2013)

Conferences

● Oral presentation, “Transparent Conductive Materials 2018” 15-19 October 2018, Platanias, Chania, Crete. Title : "Visible light - induced reversible hydrophilicity of doped metal oxide micro/nano structured surfaces"

Summer schools

•"Photonics meets biology" 30 September-3 October 2013, Chersonisos, Crete
•"Oxide materials for electronic applications-II" , 20-21 October 2012, Chersonisos, Crete

Languages

English (First Certificate in English, level B1)

Computer skills

Microsoft office (Word, Excel, Power point)
Origin Lab
Fortran programming language