

Short Curriculum Vitae

Dr. Argiris Laskarakis

| Personal Information | |
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| Dr. Argiris Laskarakis (born 18 Dec 1972), Married, 1 son Head of Organic Electronics Group, Aristotle University of Thessaloniki, Greece | |
| Affiliation | |
| Nanotechnology Lab LTFN, Center for Organic & Printed Electronics Physics Department, Aristotle University of Thessaloniki, 54124, Thessaloniki, Greece Tel: +30 2310 998266, e-mail: alask@physics.auth.gr Website: laskarakis.wordpress.com | |
| Education & Degrees | |
| 2005 - Today | Head of Organic Electronics Group, LTFN, AUTH, Greece |
| 2005 | PhD. Thesis: "Spectroscopic Ellipsometry from Vis-fUV to the IR for the study of inorganic and organic Nanostructured Materials" at the Physics Department of AUTH |
| 2000 | Graduation from the Post Graduate Program "Material Science" of Physics Dept. of AUTH with grade 9.24/10. The MSc. Thesis entitled: "Fourier Transform Spectroscopic Ellipsometry for the Study of the Optical Properties of Thin Films" |
| 1997 | Graduation from the Physics Department at AUTH, with 7.83/10. |
| Expertise & Competences | |
| <ul style="list-style-type: none">• Flexible Organic Electronics & Photonics<ul style="list-style-type: none">○ Fabrication of novel nanomaterials: organic semiconductors (polymer, small molecule) and polymer transparent electrodes○ Fabrication of Organic Electronic & Photonic devices on rigid and polymer substrates (Organic Photovoltaics, Organic Light Emitting Diodes, Organic Thin Film Transistors, etc.) by lab (spin coating) and large scale methods (e.g. printing, roll-to-roll, sheet-to-sheet, organic vapour phase deposition)• Optical Spectroscopy Methods & Characterization for novel nanomaterials<ul style="list-style-type: none">○ Spectroscopic Ellipsometry (in-situ, in-line, real-time, ex-situ) from the Infrared to Visible and far UltraViolet region○ Mueller Matrix Spectroscopic Ellipsometry for optically anisotropic nanomaterials○ Modelling methods of the optical properties of nanomaterials and thin films○ Raman Spectroscopy for investigation of bonding structure of novel nanomaterials and thin films• Nanotechnology Methods & Thin Film Science & Technology<ul style="list-style-type: none">○ Fabrication of novel nanomaterials, such as polymer and small molecule organic semiconductors, transparent electrodes, inorganic, hybrid polymers, polymer nanomaterials and blends, plasmonic nanoparticles, graphene and other 2D nanomaterials, carbon-based materials, barrier nanomaterials, oxides, nitrides, and nanomaterials for biomedical applications○ Characterization of optical, vibrational and nanomechanical properties and bonding structure of advanced thin films and nanomaterials○ Vacuum deposition of inorganic and organic thin films by magnetron sputtering, electron beam evaporation, thermal evaporation, organic vapour phase deposition○ Laser processing (patterning, scribing, etc.) of nanomaterials○ Surface functionalization of thin films by ion beams and plasma methods | |
| Scientific Activity & Indexes | |
| <ul style="list-style-type: none">• Publications in International Scientific Journals: 82• Chapters in Books: 5• Hirsch Index: 20, Total Citations: >1300, (Source: Scopus, 2018) | |

- Participations in European Commission funded R&D Projects: 15
- Participation in National Funded R&D Projects: 4
- Presentations in International Scientific Conferences: 113
- Invited Presentations in International Scientific Conferences & Events: 25
- Presentations in National Scientific Conferences: 25
- Participation & Presentations in Workshops and Exhibitions: >35

Professional Activities

- 2015-now:** Teaching Fellow, Physics Department, Aristotle University of Thessaloniki, Greece
2013-now: Head of Organic Electronics Group, Aristotle University of Thessaloniki, Greece
2013-now: Expert & Vice-Chair for various EU Proposals (FP7, H2020)
2013-now: Member of High Level Group of EU Member States and H2020 Associated Countries on Nanosciences, Nanotechnologies and Advanced Materials

Teaching Activities

- Teaching Classes in Science of Thin Films and Surfaces, Optical Techniques and Crystallography, Micro- and Nano-process technologies, Thin Film and Surface Treatment Technology (2005-present), Electric circuits Laboratory.
- International Summer School on Nanosciences & Nanotechnologies (2006-present)

Organization of International Conferences

- International Symposium on Flexible Organic Electronics (ISFOE), (2008-present)
- International Conference on Nanosciences & Nanotechnologies (NN) (2004-present)
- 4th Global Plastic Electronics Conference and Showcase, Symposium “Inorganic-Organic Hybrids”, Berlin, Germany (2008)
- XIX Panhellenic Conference on Solid State Physics and Materials Science, Thessaloniki, Greece (2003)

Evaluation and Review Activities

- Expert for the European Commission
- Vice-Chair in the Calls H2020-FETOPEN-RIA
- Ethics Expert appointed by the European Commission for H2020 Calls
- Reviewer in H2020 EU Projects (7 Projects)

Reviewer in Scientific Journals

- Surface & Coatings Technology, Elsevier Science, Amsterdam, The Netherlands
- Thin Solid Films, Elsevier Science, Amsterdam, The Netherlands
- Materials Science and Engineering B, Elsevier Science, Amsterdam, The Netherlands
- Vacuum, Elsevier Science, Amsterdam, The Netherlands
- Journal of Nanophotonics, SPIE
- Physica Status Solidi, WILEY-VCH
- Surface and Interface Analysis, WILEY-VCH
- Journal of Optics & Laser Technology, Elsevier
- European Physical Journal Applied Physics, EDP Sciences
- Journal of Luminescence, Elsevier Science, Amsterdam, The Netherlands

Awards and Scholarships

- 2006** Scholarship of Excellence and Innovation for Post-Doctoral Researcher 2006, Research Committee, Aristotle University of Thessaloniki, (01/09/2006-31/12/2006)
2005 Award for best oral presentation - European Materials Research Society Conference, E-MRS 2005
1995 Scholarship of the Greek Foundation for the Overall Performance in the Third Year of studies
1993 Scholarship of the Greek Foundation for the Overall Performance in the First Year of studies