

International Conference on Advanced Optical Materials and Technologies

27-29 April 2018, Borovetz
Bulgaria

Radina's way Hotel

Conference Chair

Vera MARINOVA

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Bulgarian Academy of Sciences



Objectives

- ✓ teaching and training of the participants in the scientific background of the nanostructured materials and the relationship structure-properties, their basic technologies and the wide area of possible advanced applications;
- ✓ discussion of the present state-of-the-art, the recent developments and the future trends in the field of nanomaterials and nanotechnology;
- ✓ stimulation of the interaction and collaboration between scientists from different countries and fields of research directed to the development, investigation and application of nanostructured materials

Lectures and Topics

- **Christos Trapalis**, Institute of Nanoscience and Nanotechnology, NCSR Demokritos, Athens, Greece "Modification of Carbon Nanostructures for Energy Storage and Environmental Applications"
- **Victor Ivanov**, Sofia University, Bulgaria "Direct Raman spectroscopy identification of alkali halides nanowires encapsulated in single wall carbon nanotubes"
- **Tzvetanka Babeva**, IOMT, BAS "Porous materials and structures for optical sensing applications"
- **Tamara Petkova**, IEES, BAS "Advanced Oxide and Non-Oxide Materials for Multifunctional Applications"
- **Dimitre Dimitrov**, ISSP, BAS "Two-dimensional superconductor materials"
- **Peter Rafilov**, ISSP, BAS "Chemical vapor deposition growth and characterization of graphene layers"
- **Ruzha Harizanova**, UCTM, Bulgaria "Compound oxide glasses and glass-ceramics for sensor applications"
- **Svetoslav Kolev**, IE, BAS "Next generation magnetic materials (multiferroics) for application in electronics"
- **Ivalina Avramova**, IOMT, BAS "Application of X-ray photoelectron spectroscopy for understanding Graphene and its properties"

• Young scientist section presentations

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More information on: http://physics.uctm.edu/icaomt_2018/