**F i n a l A n n o u n c e m e n t**

**International Conferece on Oxide and Non-oxide Materials for Optoelectronics and Energy Applications ( ICONMO 3 )**

16 – 19 March 2017, Borovetz, BULGARIA

**Justification**

Nanoscience and Nanotechnology have a strong potential to bring about to substantial changes in many fields of our life including the optoelectronics.

The optoelectronics as a field of technology that combines the physics of light with electricity that meets the ever increasing demands of the human society in the field of information technology, biotechnology, energy management by using the latest achievements of Nanoscience and Nanotechnology.

The nanostructured materials possess unique properties – mechanical, electrical, optical, magnetic, biological, entirely different from those of the conventional micro- or millimeter sized materials due to their distinctive size and shape, and predominant surface and quantum effects. The preparation and investigation of smart nanosized materials for different applications, like quantum dots, nanotubes, nanowires, nanoparticles and nanocomposites is an important matter in combination with their performance in micro- and nanooptics, MEMS, NEMS and other higher level of integration and effective processing. Only the common efforts of scientists from different fields of research – chemistry, physics, biology, materials science and engineering – and from different countries can bring the complimentary expertise in the development of new advanced materials and practices in Nanoscience and Nanotechnology.

The first objective of the conference is to present to the participants the up-to-date achievements in the Nanoscience and Nanotechnology. The second objective is the teaching and training of the participants in the scientific and technological background of nanostructures and nanostructured materials used in fields like optoelectronics, bionanotechnology, energy conversion and storage, new generation of advanced sensors, etc. The third objective addresses the initiation of transborder and interdisciplinary collaborations between young scientists towards the implementation of the recent nanotechnological achievements in security.

The ICONMO will cover various topics connected with the recent achievements in the field of nanotechnology and nanomaterials. The lectures will be given by outstanding scientists from universities and research institutes who are experts in nanoscience-related fields. Several thematic seminars on specific topics, not covered by the lectures, will be also included in the programme. The poster session will be held in the afternoon, during which the participants can present their results, establish closer contacts and discuss in less formal atmosphere.

**Location :** Hotel “Radina’s way”, Borovetz, BULGARIA

**Topics**

1. Advanced thin films and coatings
2. Bulk oxide and Non-oxide materials
3. Diamond like materials
4. Optical recording
5. Energy storage and conversion
6. Advanced sensors for bio- and chemical processes

**Working language : English**

**Honorary chairman**: **Prof. Dr. Mitko Georgiev, University of Chemical Technology and Metallurgy, Bulgaria**

**Chairman**: **Prof. Dr. Plamen Petkov, University of Chemical Technology and Metallurgy, Bulgaria**

**International Scientific Committee**

1. Luis Costa – Portugal
2. Mitko Georgiev – Bulgaria
3. Mohamed Achour – Morocco
4. Taras Kavetskyy - Ukraine
5. Vera Marinova – Bulgaria
6. Ion Mihailescu – Romania
7. Verginie Nazabal – France
8. Plamen Petkov – Bulgaria
9. Tamara Petkova – Bulgaria
10. Perica Paunovic – Macedonia
11. Cyril Popov – Germany
12. Spyros Yannopoulos – Greece
13. Maria Zdanowska-Fraczek – Poland

**Local Organizing Committee**

1. Vanya Lilova 2. Dany Trifonova

3. Any Stoilova 4. Stanislav Slavov

**Publishing :** All contributions will be published in **“Advanced in Natural Science : Theory and Applications”**

**Call for abstracts : February 20-th**

**Details** – A4 page with out restriction, send to **[stanislavslavov@](mailto:stanislavslavov@)hotmail.com**

**Participants fee : 300 BGN- (** The fee coverconference materials**,** accomodation, meal, Gala diner and publication)

**Invited speakers : - 25 + 5 min presentation ,Speakers –15 + 5 min presentation**

**Lecturers**

1. Prof. Dr. Luis Costa, Department of Physics, Aveiro University, Portugal

2. Prof. Dr. Ruzha Harizanova, Department of Physics, University of Chemical Technolgy and Metallurgy, Bulgaria

3. Prof. Dr. Taras Kavetskyy, Department of Physics, DSPU, Drohobych, Ukraine

4. Prof. DSc Doriana Malinovska, SENES, Bulgarian Academy of Sciences

5. Assoc.Prof. DSc Vera Marinova, I O M T, Bulgarian Academy of Sciences

6. Assoc. Prof. Dr. Svetoslav Kolev, I E, Bulgarian Academy of Sciences

7. Prof. Dr. Perica Paunovic, Department of Materials Science, University Sts Ciryl and Methodius, Skopje, Macedonia

8. Prof. Dr. Cyril Popov, University of Kassel, Germany

9. Prof. Dr. Maria Zdanowska, Institute of Polymer Physcs – P S A, Poland

10. Prof. Dr. Mohamed Achour, Ibn Tofail University, Kenitra, Morocco

**Seminar Speakers - to be decided**

**Programme Schedule**

**1st day Friday (16.03.2017)**

**Arrival and registration**

12:00 Registration

13:30 Buffet

16:00 Welcome and introduction to the ICONMO – ***P. Petkov, M.Georgiev***

16:15 ***L1-***

16:40 ***L2-***

17:15 ***S1-***

17:40 ***S2***

19:00 Dinner

**2nd day Friday (17.03.2017)**

Chair ***D.Malinovska***

09:00 ***L3***

09:35 ***L4***

10:10 ***L5***

10:55 Coffee break

11:25 ***S3***

11:50 ***S4***

12:15 Lunch

16:00 Coffee refreshment

Chair ***E. Lilov***

16:15 ***L6***

16:50 Flash Poster section

19:00 Dinner

**3rd day Saturday (18.12.2017)**

Chair ***P.Paunovic***

09:15 ***L7***

09:40 ***L8***

10:15 ***L9***

10:50 Coffee break

11:05 ***S5***

11:30 ***S6***

12:00 Lunch

Chair *R. Harizaanova*

18:00 ***L10***

18.35 Round table “Sensoric – the mechatronic’s heart”

19:05 Closing ceremony – ***P. Petkov***

19:30 Farewell Part**y**

**4th day Sunday (19.03.2017)**

**Departure**