

# Hanoi International Symposium on Nano-Materials, Technology and Applications (HANOI-NANOMATA 2009)

15-17 October 2009, Hanoi, Vietnam

Organized by

College of Technology, Vietnam National University, Hanoi

## Call for abstracts/papers

On the occasion of the Fifth Anniversary of The College of Technology (Coltech) of Vietnam National University, Hanoi (VNUH), Coltech will hold an International Symposium on Nano - Materials, Technology and Applications in Hanoi (HANOI-NANOMATA 2009) from 15-th to 17-th of October, 2009. The Symposium will provide a forum for scientists worldwide to exchange their research progress in the various exciting areas of modern Condensed Matter Physics, syntheses and characterization of advanced bulk and nano-scale dimensional materials, as well as on the new technologies and applications. The Symposium also aims to provide a possibility for exchange of experiences of international collaboration in these fields.

Authors are invited to submit their abstracts/papers in the fields of nanomaterials, nanotechnology and applications. Topics to be covered at the Symposium include but are not limited as follows:

- **Nanostructured magnetic materials, functional ferroelectrics and piezoelectrics**

This section focuses on nanostructured magnetic materials and functional oxide materials with highlight on some applications, such as data storage, electronics and biomedicines. The topics of interest in this section include, but are not limited to, spintronics, magneto-optics, magnetic recording, hard and soft magnets; ferroelectrics, piezoelectrics and multiferroics; materials for bio-medical applications.

- **Nanostructured semiconducting and hybrid materials, nanophotonics**

This section focuses on nanostructured semiconducting and hybrid materials, nanophotonics with the emphasis on applications, such as light control, energy conversion and storage, photonics for sensing. The topics to be covered include, but are not limited to, advanced materials for luminescence, organic LED, photo-electrochemical energy system and solar cells, polymers and organic/inorganic hybrids; novel photonic materials, near-field optics, fiber lasers, quantum confined systems.

- **Nanotechnology: Materials and Applications**

Modern Condensed Matter Physics nowadays deals with nanotechnology, i.e. "the creation, processing, characterization and utilization of materials, devices, and systems with dimensions on the order of nanometres, exhibiting novel and significantly enhanced physical, chemical, and biological properties, functions, phenomena, and processes due to their "nanoscale size". The topics include, but are not limited to, synthesis (including MEMS, NEMS) and characterization of nanomaterials and nanodevices for environmental, biomedical, electronic and process, industrial applications, current challenges in nanotechnology, sustainable development of nanotechnology, and policy issues addressing nanotechnology.

## Who may participate?

Scientists, engineers and students working in the above areas are all invited to take part in this symposium to exchange latest information, progress and future development on nanomaterials, nanodevices, nanotechnology and applications. This symposium also provides an opportunity to publish your results and research ideas in an international peer reviewed proceeding/journal.

## Tentative speakers

- Prof. Alan J. Heeger, University of California, Santa Barbara, USA.
- Prof. Thuc-Quyen Nguyen, University of California, Santa Barbara, USA.

- Prof. Vo-Van Truong, Concordia University, Montreal, Canada.
- Prof. Alain Bosseboeuf, Paris-Sud University, Paris, France.
- Prof. Nguyen Thien Phap, Institute de Materiaux de Nantes (IMN), Université de Nantes, France .
- Prof. Ekkes Brück, Technical University of Delft, Delft, The Netherlands.
- Prof. Huyng-Kook Kim, Pusan National Univveristy, Pusan, Korea.
- Prof. Soonil Lee, Ajou University, Suwon, Korea.
- Prof. Jong-Lam Lee, Pohang University of Science and Technology (POSTECH), Pohang, Korea
- Prof. Venky Venkatesan, National University of Singapore, Singapore.
- Prof. Ze Xiang Shen, Nanyang Technological University, Singapore.
- Prof. Nguyen Huu Duc, Coltech, VNUH.
- Prof. Nguyen Quang Liem, Institute of Materials Science (IMS), Vietnam Academic of Science and Technology (VAST).
- Prof. Dang Mau Chien, Laboratory of Nanotechnology (LNT), VNU HoChiMinh City.
- Prof. Nguyen Hoang Luong, Hanoi University of Science (HUS), VNUH
- Prof. Nguyen Nang Dinh, Coltech, VNUH
- Prof. Nguyen Ngoc Long, HUS, VNUH
- Prof. Nguyen Xuan Phuc, IMS, VAST
- Prof. Phan Ngoc Minh, IMS, VAST
- Prof. Le Van Hong, IMS, VAST
- Prof. Pham Thanh Huy, Hanoi University of Technology (HUT), Ministry of Education and Training (MOET)
- Prof. Nguyen Duc Nghia, Institute of Chemistry, VAST

### **Publications**

About 50 selected papers will be reviewed and published in a special issue of Physica B (after the conference)

### **Conference fee**

Regular participant: 250 USD until 15 September, 2009 and 300 USD after 15 September, 2009.

Registration information:

- Name:
- Job title:
- Organization:
- Mailing address:
- Tel. Fax.
- Email:

### **Deadlines**

Abstract submission and registration: 30 July, 2009

Acceptance of abstract: 15 August, 2009

Paper submission, registration: 15 September, 2009

### **Contact details**

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