

Registration

Each participant has to fill and send a registration form to the workshop secretariat. To be included in the list of participants dispatched at the workshop, the registration form has to be received not later than May 5, 2006.

Registration Fees (including workshop materials, coffee breaks and social events)

| | Before March 14, 2006 | After March 14, 2006 |
|-------------------------------|--------------------------|-------------------------|
| Full Rate | 120 EURO | 130 EURO |
| Student Rate | 80 EURO | 90 EURO |
| Industry Rate | 180 EURO | 190 EURO |
| Accompanying Persons' Rate | 95 EURO | 105 EURO |

Limited possibilities for financial support for researchers from the Balkan region exist within the budget of each session. For any request of funding, please contact the workshop organizers.

Venue

The Workshop will be held at the *Recreation and Conference House of the Bulgarian Academy of Sciences*, Golden Sands resort near Varna.

There are several direct flights to Varna from a number of European cities. Another possibility is to fly to Varna via Sofia. In summer, about 4-5 flights a day from Sofia to Varna are available. There are also regular bus lines Sofia-Varna-Sofia.

Deadlines

January 27, 2006 Abstract Submission

February 28, 2006 Notification of acceptance and mode of presentation

March 14, 2006 Registration fees discount

May 5, 2006 Registration received after this date will not be included in the list of participants

May 24, 2006 Welcome to SizeMat

Workshop Organizers

Radostina Stoyanova (Scientific Secretary)

Dimitar Radev (Technical Secretary)

Konstantin Hadjiivanov

Ekaterina Zhecheva

Anton Naydenov

Supporting Organization

Institute of General and Inorganic Chemistry, Bulgarian Academy of Sciences, 1113 Sofia, Bulgaria
(<http://www.igic.bas.bg>)

Workshop Secretariat

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Specific Support Action
EC-INCO-CT-2005-
016414



Workshop on Size-Dependent Effects in Materials for Environmental Protection and Energy Application



**May 25 – 27, 2006, Varna,
Bulgaria**

Organised by the

**Centre of Competence on
Multifunctional Materials
and New Processes with
Environmental Impact**

First Announcement
and
Call for Papers

<http://sizemat.igic.bas.bg>

Scope

The workshop is devoted to size-dependent phenomena as a promising way to control the materials properties.

The thematic area of the workshop comprises two classes of advanced inorganic materials, forming the basis of modern technologies:

- ✓ materials for clean energy storage;
- ✓ catalysts/sorbents for environmental protection.

Workshop Topics

- A. Effect of Synthesis Method on Particle Properties;
- B. Nanostructural Design of Composite Electrode Materials for Lithium-ion Batteries;
- C. Materials for Hydrogen Storage at a Nano-Scale Level;
- D. Microstructural Effects in SOFC's;
- E. Size Effects in Supported Metal Catalysts;
- F. Catalysts Activation & Deactivation Caused by Re-dispersion or Sintering;
- G. Novel High Surface Area Sorbents.

Invited Speakers

Topic A - Prof. Jan Šubrt - Institute of Inorganic Chemistry, Prague, Czech Republic
(The title of the lecture will be specified later)

Topic B - Dr. Erik Kelder - Delft University of Technology, The Netherlands
(The title of the lecture will be specified later)

Topic C - Dr. Martin Dornheim - GKSS, Research Center Geesthacht GmbH, Germany

"Hydrogen Storage in Light Weight Metal Hydrides and Reactive Hydride Composites"

Topic D - Prof. Detlev Stöver - Institute for Materials and Processing in Energy Systems, Research Centre Jülich, Germany

"How processing and endurance of microstructure determines SOFC performance"

Topic E - Prof. Michel Che - Pierre & Marie Curie University, Paris, France
(The title of the lecture will be specified later)

Topic F - (The invited speaker and the title of the lecture will be specified later)

Topic G - Prof. Angel Linares Solano - University of Alicante, Spain

"The importance of developing micropore volume and controlling micropore size distribution to improve performance applications of high surface area activated carbons"

Scientific Programme

Seven sessions devoted to the workshop topics will be organized with invited lectures and oral contributions, followed by discussions. The programme will also include two poster sessions. The complete scientific programme will be available on the workshop web-site in April 2006.

Contributions

The selection of the oral and poster presentations will be based on one-page abstracts. Each abstract must be submitted to the workshop secretariat online or by e-mail not later than January 27, 2006. Contributions should comply with the topics of the workshop.

Publications

A book of abstracts and a scientific and social programme will be handed out to the participants upon registration at the workshop.

Full-length papers are envisaged to be published in a peer reviewed journal. Submitted papers will be refereed according to the journal standards.