

Registration

Each participant has to fill in and send a registration form to the workshop secretariat. To be included in the list of participants the registration form has to be received not later than September 13, 2010.

Registration Fees

(including workshop materials, coffee breaks, welcome party and workshop dinner)

	Before August 6, 2010	After August 6, 2010
Full Rate	150 €	180 €
Students Rate	80 €	95 €
Industry Rate	210 €	240 €
Accompanying Persons Rate	100 €	130 €



The Workshop will be held at Nessebar (Bulgarian: Несебър; other spellings include Nesebar and Nesebur). This is an ancient city and a major seaside resort in southeastern Bulgaria – 27 km from Burgas, 64 km from Varna and 360 km from Sofia, 0-49 m above sea level.

In the middle of September the weather is usually mild, pleasant for all kinds of visits. A few days on the seaside in Bulgaria may give an enjoyable tourist experience also to the accompanying guests.

There are many direct flights to Sofia from bigger European cities. Another possibility is to fly directly to Varna or to Varna via Sofia and then take the bus to Nessebar.

There are regular bus lines Sofia–Burgas–Sofia, Sofia–Nessebar–Sofia

Deadlines

July 23, 2010

Abstract Submission and Registration

July 30, 2010

Notification of Acceptance and Mode
of Presentation

August 6, 2010

Early Registration

After August 6, 2010

Full Rate Registration Fees

September 18, 2010

Welcome to SizeMat 2

Workshop Organizers

Coordinators

Konstantin Hadjiivanov (IGIC-BAS)

Tony Spassov (FCSU)

Scientific Secretaries

Radostina Stoyanova (IGIC-BAS)

Alia Tadjer (FCSU)

Anton Naydenov (IGIC-BAS)

Supporting Organizations

Institute of General and Inorganic Chemistry
Bulgarian Academy of Sciences (IGIC - BAS)
Acad. G. Bontchev Str., bldg. 11
1113 Sofia, Bulgaria
www.igic.bas.bg

University of Sofia “St. Kl. Ohridski”
Faculty of Chemistry (FCSU)
1 James Bourchier Ave., 1164 Sofia, Bulgaria
www.uni-sofia.bg/index.php/eng/ulties/faculty_of_chemistry2

Workshop Secretariat

Persons in charge

Ivelina Georgieva (IGIC-BAS) ; Galia Madjarova (FCSU)

Albena Bachvarova (IGIC-BAS) ; Milen Bogdanov (FCSU)
Delyana Manasieva (IGIC-BAS) ; Stanislava Todorova (FCSU)

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National
Science
Fund

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

SIZMat2

September 19 - 21, 2010,
Nessebar, Bulgaria

Organized by the
Centre for Advanced Materials
(UNION) Module 1

First Announcement
and
Call for Papers

<http://sizemat2.igic.bas.bg>

Scope

Understanding the size-dependent properties of materials is the most challenging issue in the advanced materials science. To a great extent this is a result of the technological requirements concerning the development of materials with controlled properties, as well as of the recent progress in materials science, nanotechnology and computational chemistry.

The present workshop (SizeMat-2) will highlight recent advances in experimental and theoretical methods to examine materials properties. The focus will be on the materials characteristics at the molecular and cluster level and their relation to the properties of the bulk phase. The workshop will also cover materials characterization techniques like spectroscopic and computational methods.

Workshop Topics

- A. Materials for Energy Storage and Conversion;
- B. Materials for Environmental Protection;
- C. Material for Optics and Molecular Electronics;
- D. Biology-Related Materials;

Invited Speakers

Prof. Stane Pejovnik – University of Ljubljana, Faculty of Chemistry and Chemical Technology, Ljubljana, Slovenia
"Nanostructured electrodes for Li-ion batteries"

Prof. A. Cuneyt Tas - Department of Biomedical Engineering, Yeditepe University, Istanbul, Turkey
"Calcium phosphate biomaterials in orthopaedic and dental applications"

Prof. M. Maczka - Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Wroclaw, Poland
"Nanostructured optical and ferroelectric materials: size-dependent changes of physical and chemical properties"

Prof. Rui Fausto - Department of Chemistry, University of Coimbra, Coimbra, Portugal
"Light Induced Reactions in Cryogenic Matrices"

Prof. Dirk Walter - Faculty of Medicine, Justus Liebig University, Giessen, Germany
"The thermal transformation from lanthanum hydroxide to lanthanum oxide"

Prof. Dr. Uwe Köster - University of Dortmund, Dortmund, Germany
"Nanostructures (and metallic glasses) for hydrogen technology"

Dr. Antoine Maignan - Laboratoire CRISMAT, UMR 6508 CNRS/ENSICAEN, Caen, France
"Thermoelectric oxides: important role of the electronic correlations"

Dr. Daniel P. Abraham - Argonne National Laboratory, Chicago, USA

Dr. Alexander Astel - Environmental Chemistry Research Unit Biology and Environmental Protection Institute, Pomerania Academy, Poland
"Receptor Modeling of nanofine air-borne particulate matter"

Scientific Programme

Four sessions devoted to the workshop topics will be organized with invited lectures and oral contributions, followed by discussions. The programme will also include a poster session. The complete scientific programme will be available on the workshop web-site by the end of August 2010.

Contributions

The selection of the oral and poster presentations will be based on one-page abstracts. Each abstract should be submitted to the workshop secretariat online or by e-mail not later than July 23, 2010. Contributions should comply with the scope of the session.

Publications

A book of abstracts and a scientific and social programme will be handed 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.