

Environmental Best Practices

7-10 August 2006, Olsztyn, Poland

The **First International Environmental Best Practices Conference (EBP)** will be held 7-10 August at the University of Warmia and Mazury in Olsztyn, Poland. The EBP is being organized in collaboration with Sam Houston University, Huntsville, Texas, USA.

The objective of the conference is to bring together researchers from academia, government, and industry

to discuss new developments and results in the fields of environmental remediation, wastewater treatment, solid waste management, alternative energy sources, and environmental stewardship. The conference will cover a broad spectrum of environmental applications and solutions to the challenges facing the world today.

This conference is best suited for individuals working in the fields

of biology, chemistry, engineering, government, and project management.

The conference will consist of:

- invited plenary and survey papers, each giving a representative overview of a problem area with

case studies

- submitted papers
- poster sessions
- discussion sessions on selected topics

Conference Topics

- environmental remediation (in situ and ex situ, bioavailability and genotoxicity of compounds, mycotoxins, monitoring of pollutants, modelling contamination)
- wastewater treatment (centralized and decentralized systems, sewage sludge processing and disposal)
- solid waste management (strategies, resource recovery and reuse, landfilling, pretreatment)
- alternative energy sources (fuel cell, biofuels, organic solid waste, solar power, liquefied natural and petroleum gas, wind, tidal, geothermal, hydro-electric)
- environmental stewardship (agriculture, ecotourism, native flora and fauna, invasive species, water quality and environmental indicators, impact assessments of engineering and biotechnological undertakings)

The social program includes a reception at Olsztyn Castle, a banquet at the lake shore, and a post-conference tour to Gdansk and surrounding anti-flood installations.

See **Mark Your Calendar** on page 39 for contact information

 www.uwm.edu.pl/wosir/EBP



Olsztyn Castle.

Supramolecular Assemblies with Nucleic Acids

16-17 October 2006, Bordeaux, France

Recent advances in supramolecular assemblies with nucleic acids will be reviewed during a two-day workshop to be held at the European Institute of Chemistry and Biology in Bordeaux, France. The workshop will cover a large spectrum of supramolecular systems involving nucleic acids, including the following topics:

- **Hybrid Amphiphile-Nucleic Acid Structures**
The workshop will examine recent progress achieved in the synthesis of supramolecular self-

assemblies that mimic the molecular recognition functionalities found with nucleic acids. This topic will include hybrid bio-inspired molecules bearing both nucleic acid and amphiphilic moieties.

- **Nucleic Acids Transport**
This topic includes artificial systems currently developed to carry nucleic acids into cells using a synthetic supramolecular assembly. In addition, transport of double strand RNA (siRNA, miRNA), and single strand RNA and/or DNA aptamers, will be covered.
- **Biomaterials Derived from Nucleic Acids**
Soft materials using bio-macromolecules are find-

ing applications in areas ranging from drug delivery technology to nanofabrication.

- **Functional Supramolecular Systems**

Functional devices that use the intrinsic nature of these biomolecules (nano-switch properties of aptamers, nanoengines, detection devices...) will be covered in this topic.

Accommodations are limited and it is recommended that attendees make plans early. Please contact the primary organizers if you plan to attend: Philippe Barthélémy <barthelemy@bordeaux.inserm.fr>:

Tel +33 (0)5 57 57 10 14, Fax +33 (0)5 57 57 10 15
INSERM U386, Université Victor Segalen Bordeaux 2

 www.iecb.u-bordeaux.fr/fileadmin/IECB/HTML/workshop-sa

Inorganic Chemistry—Metal-Nucleic Acid Interactions

12–17 November 2006, Athens, Greece

This **ESF-COST High-Level Research Conference** will deal with several aspects of the interactions of metal ions and nucleic acids and their relevance for the treatment and diagnosis of diseases. The conference is organized in partnership with European Cooperation in the field of Scientific and Technical Research (COST), a program of the European Science Foundation (ESF), and with support from the John S. Latsis Public Benefit Foundation.

The inorganic chemistry approach (i.e., the metal) will be a central issue of the conference. Half-day sessions will be held on the following subtopics: new drugs that bind to and distort DNA; methods for

studying M-DNA interactions, cell division controlled by metal ions, labeling of nucleic acids with metals, artificial, nanostructured materials built from DNA fragments and metals, and DNA and cation binding: can it act as a wire?

The conference will feature main lectures (45 minutes), short lectures (30 minutes), and selected short talks from submitted abstracts (15 minutes), in addition to posters (which will be up the entire meeting).

The application deadline (and for abstract submission) is 24 July 2006. The conference program and application form are available online.

For further information, please contact Mr. Rachid Adghoughi <radghoughi@esf.org> from the ESF.

 www.esf.org/conferences/pc06018

Gas Analysis Symposium & Exhibition

14–16 February 2007, World Trade Center, Rotterdam, The Netherlands

GAS2007 is an event that brings research and standardization into the practical world of calibration gases and their use. GAS2007 will take place 14–16 February 2007 in Rotterdam, Netherlands. The symposium will offer six lecture sessions, held in parallel, and 800 m² of exhibition and scientific poster space. It will focus on environmental protection and safety.

The following sessions are planned.

- natural gas: from reservoir to value
- trace contaminants
- chemometry
- sampling
- on- and off-line analysis
- metrology and accreditation issues

For more information, contact NEN-Energy Resources, Mr. O. Costenoble, +31 (0)15 2 690 330.

 www.gas2007.org

Modern Physical Chemistry for Advanced Materials

26-30 June 2007, Kharkiv, Ukraine

An international conference on **Modern Physical Chemistry for Advanced Materials** will be held in Kharkiv, Ukraine, 26-30 June 2007. The conference, held in commemoration of the 100th anniversary of Prof. Nikolai Izmailov, is organized by the V.N. Karazin Kharkiv National University (Ministry of Education and Science of Ukraine) and the L.M. Litvinenko Institute of Physico-Organic Chemistry and Coal Chemistry (National Academy of Sciences of Ukraine) in cooperation with the Physical Chemistry Department of the Ukrainian Chemical Society. The conference is sponsored by IUPAC and EuCheMS.

The International Organizing Committee and International Scientific Committee consists of outstanding scientists from France, Japan, Germany, Great Britain, Brazil, Russia, and Ukraine.

The main goals of the conference are as follows:

- evaluate the status of physical chemistry in Ukraine and compare it to other countries

- strengthen the international collaboration of Ukrainian physical chemists
- develop the physico-chemical foundations of modern material science and technology

The scientific program will consist of plenary lectures, invited guest lectures, contributed oral presentations, and poster sessions. The official language will be English. The conference program will cover the following main topics:

- physical chemistry of true and organized solutions (thermodynamics, physico-organic chemistry, electrochemistry, spectroscopic methods)
- supramolecular chemistry, nanochemistry, microreactors, macromolecules, sensors
- physical chemistry of interfaces, chromatography, catalysis, hybrid materials
- theoretical methods in modeling molecules and molecular assemblies, computer synthesis, design of materials

See **Mark Your Calendar** on page 41 for contact information

 <http://izmailov2007.univer.kharkov.ua>

Particle Separation

9-12 July 2007, Toulouse, France

The **IWA International Conference on Particle Separation (PS 2007)** will take place in Toulouse, France, 9-12 July 2007. This conference will provide experts in this field (academics, engineers, researchers) with a chance to exchange the latest results. Students and young professionals will get an overall idea of what is going on and be able to meet the most eminent specialists. The small number of parallel sessions will enable

attendees to make contacts more easily.

Main topics of the conference include particle characterization, innovative approaches, numerical simulation, and new challenges, from ultra-pure water to the reuse of wastewater.

This conference will be held under the aegis of the Particle Separation Group of IWA, which was initiated by Ken Ives in the 1970s. The last conference was held in Seoul in 2005.

The deadline for abstracts is 30 September 2006. Those who are approved will be notified by 10 January 2007. Papers to be published in the proceedings must be received in camera-ready form by 1 March 2007.

 <http://particle-separation.inp-toulouse.fr>

