interest in the fundamental and technological aspects of the electronic excited state of different systems. It will focus on research among the chemistry, physics, engineering, optics, electronics, materials science, biological, pharmaceutical, and medical communities.

The conference and its satellite training workshop will cover fundamental and applied aspects of the following topics:

- photochemistry and photophysics relevant to nanoscale and supramolecular science and technology
- analytical applications of fluorescence, bioluminescence, and chemiluminescence
- photobiology, photostability of drugs, and photodynamic therapy
- photocatalysis and photodegradation of pollutants in air, water, and soil
- photoconductivity, photovoltaics, and molecular photovoltaics of organic materials and new materials
- applications of photochemistry to molecules and various chemical systems, such as xerography, coatings, semiconductor microdevices, solar cells, fuel cells, electrochromism, photochromism, lasers, imaging, etc.

For more information, contact Prof. M. S. A. Abdel-Mottaleb, Photoenergy Center, Faculty of Science, Ain Shams University, Abbassia, Cairo, Egypt; E-mail: solar@photoenergy.org or solar@link.com.eg; Tel.: +20 12 216 9584 (cellular); Fax: +20 2 244 7683 or +20 2 484 5941; Web site: http://www.photoenergy.org/solar2001.html.

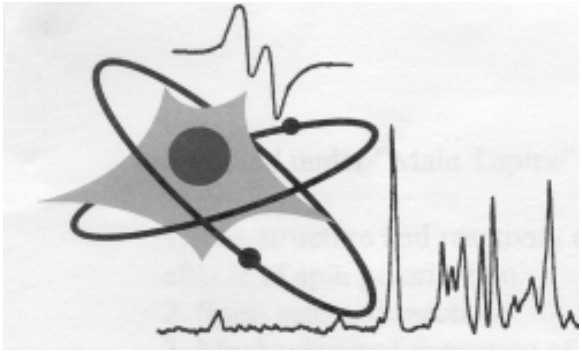
1st International Symposium on Macro- and Supramolecular Architectures and Materials (MAM-01): Biological and Synthetic Systems, 11–14 April 2001, Kwangju, South Korea

Major goals of this symposium include study of natural models for synthetic systems by integrating biomimicking concepts, investigation of effects and consequences of incorporating synthetic systems into biological systems (with emphasis on synergistic effects), and research on classical aspects of macro- and supramolecular architectures and materials.

The symposium will highlight cooperation between cell biology and materials science as the basis for the development of new biomaterials. Multiple sessions will be devoted to general topics, biological and biohybrid systems, and synthetic systems.

For further information, contact Prof. Kurt E. Geckeler or Prof. Pill-Soon Song, Symposium MAM-01, Kwangju Institute of Science and Technology (K-JIST), 1 Oryong-dong, Puk-gu, Kwangju 500-712, Korea; E-mail: mam@kjist.ac.kr or mam@matlb.kjist.ac.kr; Tel.: +82 62 970 2400; Fax: +82 62 970 2304 or +82 62 970 2338; Web site: http://matlb.kjist.ac.kr/~mam/index-net.html.

11th International Conference on Magnetic Resonance in Chemistry and Biology, 20–27 April 2001, Zvenigorod, Russia



The aim of this conference, organized by the Institute of Chemical Physics of the Russian Academy of Sciences (RAS) in cooperation with the Council of Pure and Applied Chemistry of the RAS and the International Electron Paramagnetic Resonance (EPR) Society, is to bring together scientists interested in the development of magnetic resonance techniques and experimental methods and their applications in chemical and biological research. Physical, inorganic, organic, analytical, applied, medicinal, and environmental chemistry will be covered. Three open forum discussion sessions will be featured on the following topics:

- nitric oxide in chemistry and biology
- advanced NMR imaging in biomedical fields and in solids
- the environment and magnetic resonance research

Main topic sessions will focus on the following applications:

- structure and reactivity of molecules, mechanisms of chemical reactions, and effects of spin polarization
- spin-selected reactions
- mechanisms of formation of complexes and radical reactions on surfaces
- structure and molecular dynamics of liquids, polymers, biopolymers, and micellar systems
- new approaches and progress in using spin labels and spin traps

- advanced magnetic resonance techniques and the environment; mechanisms of extreme effects on human health and the environment
- structure, biotransformations, mechanisms of drug actions, and effects of biologically active chemicals on cells
- nitric oxide in biological systems
- radical reactions in model biosystems; cellular and organismic processes
- NMR imaging in biomedical studies; other applied research
- high-resolution NMR in solids, NMR in liquids, NMR in biosystems
- theory, application, and development of EPR, spin labels and traps, pulsed EPR spectroscopy, high-frequency/high-field EPR and ENDOR, ELDOR, NQR, and other new approaches and methods in EPR and NMR spectroscopy

Approximately 120 scientific participants from around the world are expected to attend the conference.

For additional information, contact Prof. Anatoly Buchachenko, Semenov Institute of Chemical Physics, Russian Academy of Sciences, Kosygin Street 4, Moscow 117977, Russia; E-mail: spinchem@chph.ras.ru; Tel.: +7 095 939 74 90; Fax: +7 095 938 24 84.

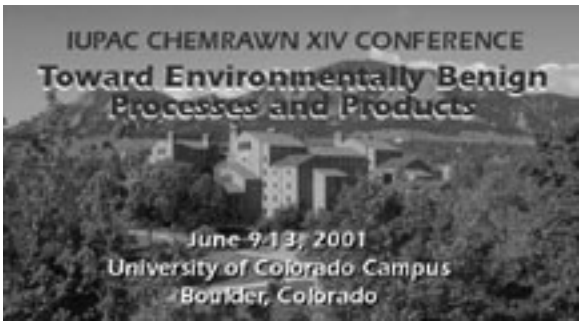
NATO Advanced Study Institute (ASI) on Molten Salts: From Fundamentals to Applications, 4–14 May 2001, Kas, Turkey

The scope of this workshop covers fundamental aspects and applications of molten salts, glasses, and metal/molten salt solutions. The Institute will address both high-temperature and low-melting salts, and it will deal with experimental approaches to reveal the microscopic, macroscopic, and dynamic behavior of melts. The role of computer modeling as a link between experiments and theory will be emphasized, as well as the importance of multidisciplinary and multitechnique approaches to unravelling the internal complexity of these technologically important liquids. The need to build up an easily accessible and reliable database will also be stressed.

Specific topics covered at the workshop will include the following: interionic forces and relevant statistical mechanics, diffraction studies, diffusion and transport, thermodynamics and thermochemistry, light scattering, electrochemistry, computer simulations, metal/molten salt solutions, ionic glasses, room-temperature molten salts, batteries, nuclear pyrochemistry, fuel cells, and data in the age of computerized science.

For more information, contact the Institute Secretariat, c/o Joyce Bartolini, IUSTI, Technopôle de Château Gombert, 5 Rue Enrico Fermi, F-13453 Marseille Cedex 13, France; E-mail: molten.salts@iusti.univ-mrs.fr; Tel.: +33 4 91 10 68 82; Fax: +33 4 91 11 74 39.

CHEMRAWN XIV World Conference on Green Chemistry: Toward Environmentally Benign Processes and Products, 9–13 June 2001, Boulder, CO, USA



Collectively we reside on a planet with insufficient natural resources to support profligate consumption. Chemistry plays a key role in increasing the efficiency of resource utilization in the development of products and processes. The key to implementing industrial ecology for a sustainable world is a new mindset that brings pollution prevention and energy conservation to the fore as design principles.

This Chemistry Research Applied to World Needs (CHEMRAWN) XIV Conference, jointly sponsored by IUPAC, the American Chemical Society, and the Green Chemistry Institute, will explore the latest scientific and engineering approaches and develop worldwide strategy and policy recommendations to implement green chemistry. The conference, to be held on the campus of the University of Colorado in Boulder, will bring together world leaders in specific fields to provide a catalyst for the common interersts of corporations, academic institutions, government agencies, and representatives of the public interest to determine a path for future action.

Objectives of the conference are to:

- conduct an objective assessment of the technical state-of-the-art in green chemistry and engineering and the contributions it can make to world sustainability;
- define scientific gaps, research priorities, economic and social issues in order to provide decision makers in industry, government, academia, and the nongovernmental sector with the knowledge required