

The main goals of the congress are to (i) determine how to develop chemistry, chemical technology, and chemical education; (ii) integrate academic, applied, and university science; (iii) discuss how to use chemistry to solve important economic, ecological, and social problems; (vi) examine the urgent problems and prospects of chemical science; and (vii) broaden interdisciplinary and international co-operation.

The scientific program will cover the following areas:

- Chemical science: the most important achievements and prospects for high technologies and advanced materials
- Supramolecular chemistry and nanomaterials
- Advanced materials
- Chemistry and environmental problems; analysis and control of environmental objects
- Energy and resource saving chemical technologies
- Chemical aspects of the life science
- Chemical informatics
- New instrumental methods in chemistry
- Problems of chemical education
- History and achievements of Russian chemists

Approximately 1500 scientific participants are expected to attend the Congress.

The following meetings will be held within the framework of the congress:

- Russian-American Symposium on Chemical Education
- VII International Conference on Chemistry of Carbenes and Related Intermediates
- Symposium dedicated to the centenary of chromatography discovered by M. S. Zvet
- Roundtable Discussion on "State and Development of Chemical Science in the Former Soviet Union Countries"

#### Important Dates:

Deadline for Registration Forms and Submission of Abstracts, **1 March 2003**

Deadline for Advance Registration fees, **1 June 2003**

See Conference Calendar for contact information



**www to be announced**

## Second International Conference on New Biomedical Materials

5-8 April 2003, Cardiff, Wales, United Kingdom

This conference will bring together scientists who have contributed numerous innovative and exciting advances in the field of biomedical materials. Diverse topics will be covered including studies of cell interactions with biomaterials. The assessment of the potential applications for the development of new biomaterials, tissue engineering, and future medical devices and biosensors will be discussed. It will also provide an opportunity to discuss the latest developments in the field and the vision for the future. By linking basic and applied research together this conference is aimed at the stimulation of activity and research on biomedical materials. The interdisciplinary nature of the conference will encourage scientific interchange and cross-fertilization of ideas.

Topics to be covered include:

- 1 **The Need:** orthopaedic applications; cardiovascular applications; haemocompatible materials; extracorporeal systems; artificial organs, wound dressings; drug delivery, dental and oral healthcare, and biosensors
- 2 **Basic Research Studies:** cell interactions with surfaces, such as bones, polymers; cells involved in wound healing cell movement; cell interactions with other cells; molecular recognition, peptide mimicry; drug delivery, surface plasmon resonance studies; atomic force microscopy; and vibrational spectroscopy
- 3 **Applied Research Studies:** bone research; cement; hip replacements; hearing aids; cardiovascular; wound dressings, new smart materials, artificial organs, and biosensors

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