

## Congress Announcements

### XXV CED Meeting on Surfactants

Barcelona, 18–20 May 1994

Deadline for registration: April 18, 1994

Information:

Comité Español de la Detergencia, Tensioactivos y Afines  
Jordi Girona, 18-26

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### Inorganic Chemistry

#### Surface Organometallic Chemistry, Molecular Materials and Catalysis

Davos, Switzerland, 11–16 June 1994

Scope of the Conference:

The purpose of the fifth European Inorganic Chemistry Symposium, EICS-V, is to discuss the chemistry of inorganic solids in the bulk and at the surface of bulk material. Knowledge about structural features of surfaces is highly relevant to other disciplines; e.g. tailor-made (heterogeneous) catalysts, materials with novel properties. Specially designed organometallic molecules and metal co-ordination complexes play in many cases a crucial role in the preparation of inorganic solids (Sol/gel chemistry) and metals (MOCVD, catalytic decomposition) at surfaces. Gathering information about the structural details of these surfaces (e.g. by advanced molecular spectroscopy and computational chemistry) and the understanding of structure/(catalytic) reactivity relationships is a subject of intense study. Creation of the desired ordering on a molecular level in inorganic solids and metal co-ordination polymers to effects specific properties arising from this ordering (NLO-effects conductivity) is a timely area of research. This also applies to information and ordering of inorganic solids in biological material. It is hoped that a stimulating interdisciplinary exchange between these important areas of Inorganic Chemistry will occur during the meeting.

The number of participants will be limited to 100. Deadline for applications: 3 months before the conference.

For information and application forms, contact the Executive Director of the Programme: Dr Josip Hendekovic, European Science Foundation, 1 quai Lezay-Marnésia, 67080 Strasbourg Cedex, France. Tel. (33) 88 76 71 35 Fax. (33) 88 36 69 87

### Reactivity in organized microstructures: New Materials

Mont Sainte Odile (near Strasbourg), France, 6–11 July 1994

Scope of the Conference:

The aim of this conference is to focus on investigations of the relationship between the structure, reactivity and physical properties of new materials made from organized microstructures.

A number of groups in physics and chemistry study these new materials by using organized assemblies. These groups meet usually on narrow programs. The purpose of the present meeting is to bring together research originating in chemistry, physics or industrial groups. The conference will focus on nanosized magnetic, metallic and semiconductor crystallites exhibiting non conventional properties, on 2D and 3D new materials, on new organized assemblies and finally on industrial applications. The afternoons will be free for discussions, poster sessions and short communications of young researchers.

The number of participants will be limited to 100. Deadline for applications: 6 March 1994.

For information and application forms, contact the Executive Director of the Programme: Dr Josip Hendekovic, European Science Foundation, 1 quai Lezay-Marnésia, 67080 Strasbourg Cedex, France, Tel. (33) 88 76 71 35 Fax. (33) 88 36 69 87

### 12th Polymer Networks Group Conference

#### Polymer networks 94

Prague, 25–29 July, 1994

#### held as the 35th Microsymposium of Prague Meetings on macromolecules

Scope:

Theoretical and experimental studies of network formation, structure and properties. Development and verification of theoretical models of network build-up. Investigation of the effect of reaction mechanism and kinetics. Elucidation of the relations between network build-up, structure, and physical and material properties of systems important for various applications.

Topics:

1. Statistical and kinetic (coagulation) models of network build-up
2. Computer simulation of network formation
3. Critically branched state – critical exponents, scaling

4. Rheology of branching systems
5. Diffusion control of kinetics of crosslinking, physical ageing
6. Dynamic and static properties of networks
7. Crosslinked elastomers, thermosets, coatings, gels

## Information:

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**Supramolecular Chemistry:**  
**Molecular Recognition from Biology to Materials**

Mainz, Germany, 11–16 August 1994

## Scope of the Conference:

Molecular recognition and molecular selforganization are the essential prerequisites for functional supramolecular systems in Nature. The cell membrane is one of the most perfect examples with a wide range of recognition processes inducing a number of essential membrane functions. 100 Years after the postulation of the speculative but ingenious *Schloß-Schlüssel* (lock-and-key) principle by Emil Fischer and in view of the modern developments in Biochemistry and Membrane Biology, it is timely to intensively look into the gap between Chemistry, Life Science, and Materials Science and to transfer biological concepts into synthetic models. The emphasis will be in chemical processes, but aspects of physical and especially biological recognition processes will also be presented in order to provide a broad basis for reflection and discussion (...). A poster session with short oral poster introductions will also be organized.

## Topics:

- Molecular recognition
- Selfreplication
- Biomembranes
- Supramolecular catalysis
- Selforganizing materials
- Neuronal networks and development biology
- Photomolecular devices and sensors

Number of participants will be limited to 100. Deadline for application: 3 months before the conference.

For information and application forms, contact the Executive Director of the Programme: Dr Josip Hendekovic, European Science Foundation, 1 quai Lezay-Marnésia, 67080 Strasbourg Cedex, France. Tel. (33) 88 76 71 35 Fax. (33) 88 36 69 87

**5. Berliner Polymeren-Tage**

5–7 Oktober 1994 in Potsdam

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**4th World Surfactants Congress**

Barcelona, June 1996

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