

Coming Events

10th International Symposium on the Reactivity of Solids

Dijon, France, August 27 – September 1, 1984

The Organizing Committee extends a cordial invitation to all scientists interested in the exchange of new ideas and results among the many fields of research and technology in which problems of reactivity of solids are encountered. The scientific program will consist of invited lectures and poster sessions with introductory lectures and specialized discussions.

Official languages will be English and French probably with simultaneous translation.

Scientific program

Traditionally, the International Symposium on the Reactivity of Solids deals with chemical reactions involving mineral and organic solids in their different crystallized and amorphous states, in solid-gas, solid-solid and solid-liquid systems.

Results concerning relations between the reactivity of solids and processes dealing with the formation and the movement of defects (point defects, dislocations, extended defects, outer and inner surfaces, grain boundaries, etc...) as well as with the absorbed chemical species and impurities, fit well into the scope of the Symposium.

Studies treating the most fundamental aspects of the reactivity of solids and those proposing new paths to industrial applications will be welcome.

The following themes are emphasized:

Structure and properties of surfaces and interfaces in connection with reaction mechanisms – Precursor processes, induction period, nucleation, orientation relations between nuclei and matrix – Contribution of diffusion and transfer processes and their coupling in the evolution of chemical systems involving solids. Influence of spontaneous or imposed mechanical stresses and of thermal constraints on the reactivity of solids – Control of factors which affect the reaction rate and the nature, structure, state division and morphology of the solid reaction products – Reactivity of solids in connection with the development of new technologies (energy, ores treatment improvements...) and new materials (fibres, composites, materials for electronics...) – Reactivity in mild or near ambient conditions („soft” chemistry, intercalation, ions exchanges, reactions involving gels...) – Reactivity of solids under high pressure – Effects of unusual conditions (for example, processes in space) and unexpected phenomena in reactivity of solids – New investigation methods, advances in instrumentation

Bureau of organizing committee

Pr P. BARRET, President

Pr G. WATELLE, Chairman of the Executive Committee;

Dr L.C. DUFOUR, V. Chairman of the Executive Committee;

Pr J.C. COLSON, Executive Secretary;

Dr B. GILLOT, Treasurer.

For further information:

10e ISRS

Secrétariat Exécutif

Laboratoire de Réactivité des Solides

Faculté des Sciences Mirande

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**Third European Symposium
on Thermal Analysis and Calorimetry
September 9–15, 1984**

Interlaken, Switzerland
Congress-Center-Casino Interlaken (CCCI)

The Third European Symposium on Thermal Analysis and Calorimetry – ESTAC 3 – is being organized by members of European Societies for Thermal Analysis, Calorimetry and Chemical Thermodynamics.

ESTAC 3 will be held at Interlaken, Switzerland in the Congress-Center-Casino Interlaken (CCCI) from September 9–15, 1984.

The intention of the Symposium ESTAC 3 is to assemble all scientists working in the field of thermal analysis and calorimetry for an exchange of information on interdisciplinary and specialized subjects.

ESTAC 3 is being organized under the auspices of the following Honorary Committee:

Mr. E. L. Charsley, London, U. K.
Prof. L. Elégant, Nice, France
Dr. W.-D. Emmerich, Selb, G. F. R.
Prof. G. Lombardi, Roma, Italy
Mr. P. Ponetz, Küsnacht, Switzerland
Dr. P. Rhyner, Basel, Switzerland
Mr. A. Schaerli, Basel, Switzerland
Dr. F. Tisi, Greifensee, Switzerland

The Conference will cover the subjects: Thermal Analysis and Calorimetry.

Sessions in the following subject areas are planned:

- Inorganic Chemistry/Metallurgy
- Earth Sciences
- Organic Chemistry/Polymers
- Biological Sciences incl. Medicine and Pharmacy
- Industrial Applications
- Theory and Instrumentation

You are cordially invited to participate in this Conference. Active participation is welcomed through contributed papers, poster presentations, and in round table discussions on specific subjects to be announced.

The 2. Circular will be issued in autumn 1983.

Sixth International Symposium on Analytical and Applied Pyrolysis

Wiesbaden, Hessen, G. F. R., September 24–28, 1984

The sixth International Symposium on Analytical and Applied Pyrolysis will be organized in Wiesbaden (Hessen, G. F. R.) by the Fresenius Chemieschule Wiesbaden, from September 24–28, 1984 (preceding the 15th International Symposium on Chromatography in Nuremberg, Oct. 1–5). The preliminary program is as follows.

Chairmen:

Dr. Ingo Lüderwald, Dr. Hans-Rolf Schulten

International Committee:

W. Baltes (G. F. R.)

H. L. C. Meuzelaar (U. S. A.)

J. J. Boon (Netherlands)

G. Montaudo (Italy)

L. Carlsen (Denmark)

G. Schaden (G. F. R.)

I. Ericsson (Sweden)

F. Shafizadeh (U. S. A.)

C. E. R. Jones (U. K.)

T. Székely (Hungary)

R. E. Lattimer (U. S. A.)

S. Tsuge (Japan)

The main topics of the meeting will be

- Chemistry and mechanisms of pyrolytic reactions
- Thermal recycling processes
- Biomass conversion and utilization
- Exploration and characterization of fossil fuels
- Medical, biochemical, biological and agricultural applications of pyrolysis
- Instrumental and methodological developments

The official first circular, describing exact time and location, arrangements for accommodation and travel, fees, deadlines for submission of papers and the preliminary program, will be mailed in March 1983. The proceedings will be published in a special issue of the *Journal of Analytical and Applied Pyrolysis*.

For further information, please contact

Prof. Dr. I. Lüderwald, tel.: (06121)-522054 or

Prof. Dr. H.-R. Schulten, tel.: (06128)-744250

Chemieschule Fresenius, Dambachtal 20, 6200 Wiesbaden, G. F. R.

Twentieth Conference on Vacuum Microbalance Techniques

Plymouth, U. K., 31st August – 2nd September, 1983

The 20th VMT Conference will be held – as the last of the series begun in 1960 – at Plymouth Polytechnic during the period Wednesday, 31st August – Friday, 2nd September, 1983.

Program Chairman is

Dr. S. A. A. Jayaweera

Department of Environmental Science

Plymouth Polytechnic

Drake Circus

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The scientific programme will cover all aspects of vacuum balance techniques, including applications. An exhibition of scientific equipment will be arranged during the conference.

**1984 — World Conference on Thermal Analysis
June 4-5, 1984**

Apollo Hotel, Amsterdam, Holland

Papers dealing with all aspects of THERMAL ANALYSIS especially physical research, organic and inorganic synthesis, analysis and characterization, quality and process control, etc. are now being solicited. The speakers are invited to discuss the historical development, theory and principles of the measurements, instrumentations and applications. Papers are also solicited on the practical aspects of each of the following techniques and how each is used in solving chemical problems:

- Thermogravimetry (TG)
 - Differential Thermal Analysis (DTA)
 - Differential Scanning Calorimetry (DSC)
- and other thermal methods

Tentative titles must reach before October 15, 1983. Deadline for submission of abstracts and biographic data of speakers, January 15, 1984. Deadline for complete papers, May 1, 1984.

Please send your papers to: *Dr. V. M. Bhatnagar*, Alena Enterprises of Canada, P. O. Box 1779, Cornwall, Ontario K6H 5V7, Canada.