

Coming Events

JOINT NORDIC-GERMAN SYMPOSIUM ON THERMAL ANALYSIS AND CALORIMETRY

Copenhagen, Denmark, 24–26 August 1983

The 8th Nordic Symposium on Thermal Analysis and the annual meeting of the Gesellschaft für Thermische Analyse (GEFTA), Federal Republic of Germany, will be arranged jointly at the H. C. Ørsted Institute, University of Copenhagen on August 24–26, 1983.

The symposium will cover all aspects of thermal analysis and calorimetry including theory, application in any field and material, instrumentation etc. It is therefore open to chemists, physicists, metallurgists, material scientists, geologists and all other researchers using thermal and calorimetric methods. The symposium language will be English.

Organizing committee

P. J. Møller, Chemical Laboratory IV, H. C. Ørsted Institute
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to whom all correspondence concerning the symposium should be sent.

O. Toft Sørensen, Symposium chairman,
Risø National Laboratory
DK-4000 Roskilde, Denmark

A. Kettrup, Institute of Applied Chemistry
University of Paderborn
P. O. Box 1621, D-4790 Paderborn,
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NORTH AMERICAN THERMAL ANALYSIS SOCIETY
12th ANNUAL CONFERENCE, 25-29 SEPTEMBER 1983

(Jointly held with the 38th Annual Calorimetry Conference)
Williamsburg, Virginia-Hilton National Conference Center, USA

Liquid Crystals and Liquid Crystalline Polymers

Professor Bernhard Wunderlich

Department of Chemistry
Rensselaer Polytechnic Institute
Troy, NY 12181
(518) 270-6762

Professor John T. S. Andrews

Department of Chemistry
Kent State University
Kent, OH 44242
(216) 672-2988

Papers are solicited covering the application of all thermal analytical and calorimetric methods to both thermotropic and lyotropic liquid crystals and polymers. Both theoretical and experimental contributions are sought.

Thermal Analysis and Calorimetry of Fossil Fuels

Dr. Jane E. Callanan

National Bureau of Standards
Thermophysical Properties Div.
325 Broadway
Boulder, CO 80303
(303) 497-3349

Dr. C. Thomas Ratcliffe

Exxon Research & Engineering Co.
P. O. Box 45
Linden, NJ 07036
(201) 474-6348

Papers are solicited on thermal analysis and calorimetry of coal, oil shale, tar sands and model compounds related to chemical reactions and characterization of fossil fuels. Papers will include the need for thermodynamic properties of fossil fuels and the development of suitable calorimetric techniques. Papers will also include experimental results obtained from systems related to fossil fuel utilization.

Applications of Calorimetry and Thermal Analysis to Catalyst Studies

Dr. Uma Chowdhry

E. I. Du Pont de Nemours & Co.
Central Research & Devel. Dept.
Experimental Station, Bldg. 356
Wilmington, DE 19898
(302) 772-4132

Professor Loren G. Hepler

Department of Chemistry
University of Lethbridge
Alberta T1K 3M4
Canada
(403) 329-2301

We are soliciting papers describing the use of thermal analytical techniques for the characterization of heterogeneous catalysts. The usefulness of these techniques in understanding catalyst behavior should be emphasized. Papers on the development of new techniques or methods of data interpretation and analysis would be welcome.

Symposia

Combination Techniques in Thermal Analysis – Symposium

Dr. Horst G. Langer

Dow Chemical Company
Central Research,
New England Laboratory
Post Office Box 400
Wayland, MA 01778
(617) 235-5422

Papers are solicited dealing with combination methods, such as TG-MS, TG-FTIR, or others. The techniques need not necessarily be simultaneous. Contributions may describe instrumentation, but emphasis should be placed on results not readily obtainable by independent use of the combined methods.

Multiphase Polymers and Composites – Symposium

Professor Robert A. Weiss

Institute of Materials Science
University of Connecticut
Storrs, CT 06268
(203) 486-4698

Papers are solicited on applications of thermal methods of analysis in the characterization of multiphase polymers and composite systems. Papers concerned with polymer blends, block copolymers, ionomers, or composite materials are appropriate. Any study of the appropriate temperature dependent properties may be of interest.

Physical Aging Processes in Molecular and Atomic Glasses – Symposium

Dr. William M. Prest, Jr.

Xerox Corporation
Webster Research Center
800 Phillips Road
Webster, NY 14580
(716) 422-3859

This symposium will focus on the experimental and theoretical aspects of the physical aging process in molecular and atomic glasses. It will consist of Plenary Lecture(s) and contributed papers which deal with the structural recovery and relaxation phenomena in amorphous materials. Papers are solicited which discuss: the properties of materials as a function of thermal history; the development of molecular theories and phenomenological models of the glass; the application of these models to experimental data; and the use of new techniques to probe the physical aging process. The aim of this symposium is to bring together specialists with different disciplinary skills and material interests to discuss the common features of the structural and kinetic features of the glassy state.

Thermal Behavior of Intercalated Materials – Symposium

Professor Deborah D. L. Chung

Department of Metallurgical Engineering &
Materials Science
Carnegie-Mellon University
Pittsburgh, PA 15213
(412) 578-2710

This symposium will provide an interdisciplinary forum for scientists and engineers interested in the thermal behavior of the intercalation compounds of graphite, transition metal dichalcogenides and polymers. Aspects of thermal behavior include phase transitions, thermal stability, specific heat, thermal expansion and thermal conductivity at both high and low temperatures. The relationships of the thermal properties with electronic, chemical, mechanical and other properties are also appropriate. Papers on fundamental and applied topics are solicited.

General Topics Sessions – Oral and Poster Presentations

Dr. Andrew R. McGhie

University of Pennsylvania
L. R. S. M.
3231 Walnut Street
Philadelphia, PA 19104
(215) 898-6461

Papers are solicited for the General Sessions on all aspects of thermal analysis not covered by the symposia. Both oral and poster sessions will be given. All posters must meet the same manuscript requirements as oral presentations to be published in the Proceedings. Otherwise, they will be listed by title and short abstracts only.

Manuscripts

A more detailed manuscript will be required including figures and tables. The deadline for receipt of this manuscript is 5/23/83. A NATAS Conference Proceedings including all papers will be published and made available at the meeting. Publication in this NATAS Conference Proceedings will not preclude authors from subsequent publication of their material.

THIRD POLISH SEMINAR, PŁOCK, POLAND,
SEPTEMBER 21 – 23, 1983

The Scientific and Organizing Committee informs you, that the Third Polish Seminar to the memory of St. Bretsznajder with international participation will be held in Płock September 21 – 23, 1983

Scientific program

Thermal decomposition of inorganic compounds, thermal analysis of polymers and plastics, general regularities of thermal dissociation.

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