

Events

AFCAT-GEFTA SYMPOSIUM FREIBURG'96 **Symposium on thermal Analysis in Industry and Research**

XXVII^e Journées de Calorimétrie et d'Analyse Thermique-AFCAT
XXII. Jahrestagung der Gesellschaft für Thermische Analyse e.V. (GEFTA)
will be held at Albert-Ludwig Universität, Freiburg, Germany on September 24–26,
1996.

The Symposium is intended to have a broad, general character and to assemble Scientists and Specialists from Universities and Industries working in the fields of Thermal Analysis and Calorimetry. The Conference will consist of Award Lectures, Plenary Lectures, Oral Communications and a Poster Session.

More information:

GEFTA Office, Prof. Dr. V. Krämer
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III Italian-Spanish meeting on Thermal Analysis and Calorimetry
(Jornadas Mediterráneas de Calorimetría, J.Med.Cat'97) will be held in Palma de Mallorca (Spain) in June 23–27, 1997.

More information:

Prof. Antoni Amengual
Chairman of the Organizing Committee of J.Med.Cat'97
Depto. de Física, Facultad de Ciencias
Universidad de las Islas Baleares
07071 Palma de Mallorca, Spain

ISRAEL–HUNGARY BINATIONAL CONFERENCE ON THERMAL ANALYSIS AND CALORIMETRY OF MATERIALS

was held on the Dead Sea, Israel, March 17–19, 1996.

The following lectures were presented:

György Liptay: "*Development, results and current position of thermal analysis in Hungary.*" (Department of Inorganic Chemistry, Technical University of Budapest, H-1521 Budapest, Hungary)

Noam Lahav: "*Thermal processes and the origin of life on the primordial earth.*" (Seagram Centre for Soils and Water Research, Faculty of Agriculture, The Hebrew University, Rehovot 76100, Israel)

Frank H. Herbstein: "*What has 180 years of research taught us about the thermal decomposition of potassium permanganate?*" (Department of Chemistry, Technion – Israel Institute of Technology, Haifa 32000, Israel)

R. Riesen, K. Vogel and G. Widmann: "*Alternating thermal techniques. Introduction and some applications of DLTMA and ADSC.*" (Mettler-Toledo AG, Materials Characterization, CH-8603 Schwerzenbach, Switzerland)

János Kristóf, J. Mink, A. De Battisti and S. Daolio: "*Thermoanalytical and spectroscopic studies on the formation of electrocatalytic thin films.*" (Department of Analytical Chemistry, University of Veszprém, H-8201 Veszprém, Hungary)

M. Steinberg, M. Altshul, R. Cohen-Seidel, N. Kogan, H. Levy-Behar and G. Openheim: "*Selective oxidation of olefins. A catalytic study.*" (Department of Inorganic and Analytical Chemistry, The Hebrew University, Jerusalem 91904, Israel)

Lisa Heller-Kallai: "*Clay volatiles and the effect on their environment. A new approach.*" (Department of Geology, The Hebrew University, Jerusalem 91904, Israel)

Gyula Szőőr: "*Simultaneous thermoanalytical method (DTA, TG, DTG-EGA (QMS)–TGT, DTGT) and its applications in geological research.*" (Department of Mineralogy and Geology, Kossuth University, H-4010 Debrecen, Hungary)

Ian F. Groves: "*Modulated differential scanning calorimetry (MDSC) increased understanding of the total heat flow and heat capacity response of materials.*" (TA Instruments, Leatherhead, Surrey, KT22 7UQ, UK)

Elisha Stav: "*Quick determination of uncalcined gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) in stucco ($\text{CaSO}_4 \cdot 1/2\text{H}_2\text{O}$) by computerized DTA.*" (National Gypsum Company, 1650 Military Road, Buffalo, NY 14217-1198, USA)

A. Bentur and K. Kovler: "*Differential thermal analysis of hydration and hardening, in gypsum – Portland cement systems.*" (National Building Research Institute, Technion City, Haifa 32000, Israel)

E. Opatowski and D. Lichtenberg: "*Heat evolution of the interactions of the non-ionic surfactant octylglucoside with phosphatidylcholine.*" (The Department

of Physiology and Pharmacology, Sackler School of Medicine, Tel-Aviv University, Tel-Aviv 69978, Israel)

S. Davidi and H. Cohen: "*Pyrolysis of high velocity objects under atmospheric conditions.*" (R. Bloch Coal Research Center, Chemistry Department, Ben-Gurion University of the Negev, Beer-Sheva 84105, Israel)

Judit Simon: "*How to be an Editor*" (Institute for General and Analytical Chemistry, Technical University, H-1521 Budapest, Hungary)

Joel Bernstein: "*Thermal and structural studies of a single crystal reversible phase transition which exhibits the 'Hopping effect'.*" (Department of Chemistry, Ben-Gurion University of the Negev, Beer-Sheva 84105, Israel)

Menahem Kaftory: "*DSC and XRD, two complementary methods for the study of solid state chemical reactions.*" (Department of Chemistry, Technion – Israel Institute of Technology, Haifa 32000, Israel)

Michael Gaft: "*The use of thermal treatments for photoluminescence spectra interpretation.*" (Geology and Physics Groups, The Open University of Israel, Tel-Aviv 61392, Israel)

Yehoshua Kalisky: "*Thermal effects on the performance of solid state lasers.*" (Laser Department, Nuclear Research Center – Negev, Beer-Sheva 84190, Israel)

Nissim Garti: "*Structural considerations in free and bound water in microemulsions studied by DSC.*" (Casali Institute of Applied Chemistry, The Hebrew University, Jerusalem 91904, Israel)

György Pokol, Csaba Novák, J. Madarász, V. Izvekov, G. Várhegyi and S. Gál: "*Thermal and hydrothermal reactions of aluminum hydroxides and oxides.*" (Institute for General and Analytical Chemistry, Technical University of Budapest, H-1521 Budapest, Hungary)

Y. de Hazan, G. E. Shter and G. S. Grader: "*DTA/TGA investigation of aging effect on nonhydrolytic alumina xerogels.*" (Chemical Engineering Department, Technion – Israel Institute of Technology, Haifa 32000, Israel)

Efraim Mendelovici: "*Thermal reactions of metal oxides admixtures with glycerol.*" (Department of Materials Science, Instituto Venezolano de Investigaciones Científicas (IVIC), Caracas 1020-A, Venezuela)

Shlomo Shoval: "*A walking tour to "Ein-Bokek" spring – geological aspects.*" (Geology Group, The Open University of Israel, Tel-Aviv 61392, Israel)

Arnon Siegmann: "*The thermal behavior of polymer blends.*" (Department of Materials Engineering, Technion – Israel Institute of Technology, Haifa 32000, Israel)

Csaba Novák, György Pokol, M. Fodor and L. Szente: "*Investigation of cyclodextrin inclusion complexes.*" (Institute for General and Analytical Chemistry, Technical University of Budapest, H-1521 Budapest, Hungary)

Alex Silberman and Shmuel Kenig: "*New approach to thermal investigations of high filled polymer blends. Application to polypropylene.*" (Israel Plastics and Rubber Center, Technion City – Israel Institute of Technology, Haifa 32000, Israel)

Samuel Bron and Dov Katz: "*Orientation of epoxies as revealed by linear dilatometry.*" (IMI (TAMI) Institute for Research & Development, P.O. Box 10140, Haifa Bay 26111, Israel)

Ferenc Paulik: "*Special trends in thermal analysis.*" (Institute for General and Analytical Chemistry, Technical University, H-1521 Budapest, Hungary)

Aharon Weissman: "*Thermal processes in ICL (Israel Chemicals, Ltd.).*" (IMI (TAMI) Institute for Research & Development, P.O. Box 10140, Haifa Bay 26111, Israel)

S. Yariv, D. Ovadyahu, S. Shoval and I. Lapidés: "*Thermo-IR-sprctroscopy study of the mechanochemical adsorption of phenols by TOT swelling clay minerals.*" (Department of Inorganic Chemistry, The Hebrew University, Jerusalem 91904, Israel)

G. Liptay, G. Kenessey, I. Leban, B. Carson and P. Bukovec: "*Thermal studies and structural characterization of difluoro-tetrakis (3,5-dimethylpyridine)-nickel(II) hydrate.*" (Department of Inorganic Chemistry, Technical University of Budapest, H-1521 Budapest, Hungary)

G. Kenessey, G. Liptay, J. Kansikas, L. Göthe and T. Wadsten: "*Thermal and structural properties of 3,4-dimethyl-pyridine complexes of cobalt(II) halides.*" (Chemical Department, MERTCONTROL Quality Control Co. Ltd., H-1245 Budapest, Hungary)

Gy. Szöör, F. Schweitzer and É. Balázs: "*Thermoanalytical and isotope geochemical investigation of quaternary and neogene fresh-water limestones with faciological and stratigraphical evaluation.*" (Department of Mineralogy and Geology, Kossuth University, H-4010 Debrecen, Hungary)

Gy. Szöör: "*Geological dating by thermal analysis.*" (Department of Mineralogy and Geology, Kossuth University, H-4010 Debrecen, Hungary)

J. Mihály, J. Kristóf and J. Mink: "*Study of IrO₂/ZrO₂-based mixed oxide coatings by thermoanalytical and emission FTIR methods.*" (Department of Analytical Chemistry, University of Veszprém, H-8201 Veszprém, Hungary)

E. Horváth, É. Hajós-Szikszay, J. Kristóf and J. Mink: "*Calorimetric and FT-Raman spectroscopic studies on enzyme catalysis.*" (Research Group for Analytical Chemistry of the Hungarian Academy of Sciences, H-8201 Veszprém, Hungary)

M. Fodor, Cs. Novák, M. J. Arias, J. M. Gines and J. Szejtli: "*Comprehensive studies of cyclodextrin inclusion complexes.*" (University of Horticulture and Food Sciences, H-1114 Budapest, Hungary)

G. Pokol, D. Kozma, J. Madarász and E. Fogassy: "*Application of thermal analysis in the optimization of chiral resolutions.*" (Institute of General and Analytical Chemistry, Technical University of Budapest, H-1521 Budapest, Hungary)

G. Pokol, S. Kemény and Nguyen Viet Son: "*Application of the Taguchi method in the optimization of DSC purity analysis.*" (Technical University of Budapest, H-1521 Budapest, Hungary)

J. Kristóf, J. Mink, E. Horváth and A. Felinber: "*Thermoanalytical and spectroscopic studies of intercalated kaolinites.*" (Department of Analytical Chemistry, University of Veszprém, H-8201 Veszprém, Hungary)

A. Bobovitch, E. Gutman and D. Elieser: "*Thermal and mechanochemical polymerization on the surface of mineral fillers.*" (Department of Materials Engineering, Ben-Gurion University of the Negev, Beer-Sheva 84105, Israel)

I. Pelly, E. Dieguez, B. E. Watts and B. M. Wanklyn: "*Nucleation and crystallization in the flux growth of pure and Pb^{2+} doped WO_3 crystals.*" (Clarendon Laboratory, Department of Physics, Oxford University, Parks Rd., Oxford OX1 3PU, UK)

J. H. Greenberg, L. Ben-Dor and H. Selig: "*Sol-gel preparation and fluorine substitution of $BiSCCO$ high- T_c superconductors.*" (Department of Inorganic and Analytical Chemistry, The Hebrew University, Jerusalem 91904, Israel)

M. Borisover, V. Sirotkin and B. Solomonov: "*Thermodynamics of water binding by human serum albumin suspended in organic solvents.*" (Institute of Soils and Water, Volkani Center, ARO, Bet-Dagan, Israel)

M. Borisover, D. Zakharychev and B. Solomonov: "*Swelling of human serum albumin in organic solvents – DSC and isothermal calorimetry studies.*" (Institute of Soils and Water, Volkani Center, ARO, Bet-Dagan, Israel)

E. Korin, L. Soifer and V. Manov: "*Using differential scanning calorimetry to the study of the effect of initial melt temperature on crystallization kinetic of $Al_9La_5Ni_4$ amorphous alloys prepared by rapid quenching.*" (Department of Chemical Engineering, Ben-Gurion University of the Negev, Beer-Sheva 84105, Israel)

D. Golodnitsky, G. Ardel, E. Shtraus and E. Peled: "*Thermal stability of LiI-PEO based composite polymer electrolytes and related ion-conduction phenomena.*" (School of Chemistry, Tel-Aviv University, Tel-Aviv 69978, Israel)

S. Shoval, B. Champagnon and G. Panczer: "*Raman microspectroscopy and IR spectroscopy of quartz-cristobalite transformation in heated cherts.*" (Geology Group, The Open University of Israel, Tel-Aviv 61392, Israel)

S. Yariv, D. Garfinkel-Shweky, V. Balek and Z. Malek: "*The study of the dehydration and dehydroxylation of smectites by emanation thermal analysis.*" (Department of Inorganic and Analytical Chemistry, The Hebrew University, Jerusalem 91904, Israel)

A. Nasser, M. Gal, S. Yariv, Z. Gerstel and U. Mingelgrin: "*Differential thermal analysis of montmorillonites treated with alachlor.*" (Institute of Soils and Water, Volkani Center, P.O. Box 6, Bet-Dagan 50250, Israel)

I. Lapidés, N. Lahav, K. Michaelian and S. Yariv: "*X-ray study of the thermal intercalation of alkali halides into kaolinite.*" (Department of Inorganic and Analytical Chemistry, The Hebrew University, Jerusalem 91904, Israel)

S. Aceman, N. Lahav and S. Yariv: "*The effect of temperature on the basal spacing of Al-pillared smectites and their swelling in water.*" (Seagram Center for Soil and Water Research, Faculty of Agriculture, The Hebrew University, Rehovot 76100, Israel)

S. Ezrahi, I. Tiunova, A. Aserin and N. Garti: "*Water behavior in nonionic surfactant systems investigated by DSC.*" (Cassali Institute of Applied Chemistry, School of Applied Science, The Hebrew University, Jerusalem 91904, Israel)

E. Tóth, M. Gábor and A. Weiss: "*Thermal behaviour of hydrotalcite-like compounds (Cl^- , NO_3^- , SO_4^{2-}).*" (Institute of Inorganic and Analytical Chemistry of L. Eötvös University, Budapest, Hungary)

M. Epstein, Y. Deutsch and S. Yariv: "*Thermal analysis of montmorillonites treated with alizarin.*" (Tel Hai College, Upper Galilee, D. N. Galil Elion 12210, Israel)

The Proceedings of the Conference (a book of abstracts) was published and was available at the Conference for all participants. It will be distributed to all principal scientific libraries in Israel and Hungary and to many libraries in the world.