

## Events

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### CONFÉRENCE DE THERMOCINÉTIQUE

MAISON D'HÔTES DU CEN DE CADARACHE (BOUCHES DU RHÔNE)  
1976

The Conférence de Thermocinétique was organized by the Groupe de Thermodynamique Expérimentale of the Société Chimique de France and the Association Française de Calorimétrie et Analyse Thermique in the Centre d'Études nucléaires de Cadarache (Bouches du Rhône) on March 4–6, 1976

The main topics the Conference were:

- Determination of the kinetic parameters and reaction mechanisms by thermal analytical methods
- Calorimetry and heat development

The following papers were read:

*Advantages and dangers of the combination of thermoanalytical methods in kinetic studies.*

M. SOUSTELLE

(École nationale supérieure des mines, Saint Étienne)

*Calorimetry of the reaction between solids: dissolution of the copper in non-stoichiometric copper (I) sulfide.*

R. PERONNE, B. CRISTOL et D. BALESDENT

(Laboratoire de thermodynamique chimique et appliquée, ENSIC, Nancy)

*Non-isothermal kinetic study of recrystallization by differential scanning calorimetry (DSC): case of pure copper submitted to different grades of deformation.*

A. LUCCI, M. TAMANINI et G. VENTURELLO

(University of Torino, Italy)

*Some aspects of the kinetics of decomposition of cadmium carbonate deduced from thermal analytical methods*

P. POUILLEN et A. MARTRE

(Laboratoire PMTM, CNRS, Saint-Denis)

*Differential thermal method applied for the kinetic study of reactions*

P. BAUMGARTNER

(IFP-CEN, Grenoble)

*Utilization of thermoluminescence for the study of reaction mechanisms*

P. FIERENS,

(University of Mons, Belgium)

*Contribution of thermal methods to the study of the kinetics and hydration mechanism of Portland cements.*

R. SIERRA  
(Laboratoire central des ponts et chaussées, Paris)

*An analysis of a water-zeolite complex by DSC method*

F. VUČELIČ, V. DONDUR et D. VUČELIČ  
(University of Belgrade, Yugoslavia)

*Determination of the kinetic parameters of complex processes at boundary phases by DTG method*

V. DONDUR et D. VUČELIČ  
(University of Belgrade, Yugoslavia)

*Thermogravimetry and the associated methods in heterogeneous chemical kinetics.*

P. BARRET  
(Laboratoire de recherches sur la réactivité des solides, Université de Dijon)

*Kinetic response of a system with thermodynamic restrictions which put it out of equilibrium (made it unbalanced)*

G. WATELLE-MARION  
(Laboratoire de recherches sur la réactivité des solides, Université de Dijon)

*Which response can be awaited by association of thermal analytical methods and the diffraction of X-rays?*

M. GERARD, G. BERTRAND et M. LALLEMANT  
(Laboratoire de recherches sur la réactivité des solides, Université de Dijon)

*Thermogravimetric study of the kinetic of sulfuration of copper (I) chloride by H<sub>2</sub>S.*

J. LARPIN  
(Laboratoire de recherches sur la réactivité des solides, Université de Dijon)

*Study of the adsorption in liquid phase by microcalorimetric method and frontal chromatography.*

D. BELOT, J. BRIANT et J. C. HIPEAUX  
(IFP, Rueil Malmaison)

*Utilization of thermogravimetry (viewpoint of the physicist)*

M. BONNAFET  
(Setaram, Lyon)

*Separating capacity in calorimetric analysis*

P. BERBERI  
(CEN, Saclay)

*Variable thermal system. Detector of temperature or thermal gradient: registered signal and real signal.*

C. PATIN et H. PATIN  
(Centre scientifique de Saint-Jérôme, Marseille)

*Variable thermal system. Theoretical calculation of the detector signal.*

C. PATIN  
(Centre scientifique de Saint-Jérôme, Marseille)

*Devise for differential thermal analysis and of the measure of diffusivity and volumetric heat of solid materials.*

A. DEGIOVANNI, A. GERY, M. LAURENT et G. SINICKI  
(Physique, industrielle, INSA, Villeurbanne)

*Presentation of an original adiabatic calorimeter with surfaces of spherical exchange.*

J. KLEIN-CLAUSS, R. MAINARD et H. FOUSSE  
(Université de Nancy)

*Remarks on the research of thermogenesis.*

E. CESARI, J. LUMBIARRES, J. NAVARRO, V. TORRA et W. ZIELENKIEWICZ  
(University of Barcelona, Spain and Institute of Physical Chemistry APS, Warszawa, Poland)

J. I. MACQUERON  
(INSA, Lyon)

*Microcalorimetric study of citrobacter intermedium C3.*

V. TORRA et J. WAGENSBERG,  
(University of Barcelona, Spain)

*Application of continuous calorimetry to the measure of the enthalpies of mixtures.*

J. P. E. GROLIER et A. INGLESSE  
(CRMT, Marseille)

*Microcalorimetry and chemical thermokinetics: study of complexes in solution and of non-reactive mixtures.*

J. P. DUBES, M. BARRES et H. TACHOIRE,  
(Université de Provence, Marseille)

## SYMPOSIUM ON THERMAL ANALYSIS, OULU, FINLAND, 1976

A thermoanalytical symposium was held at the new campus of the University of Oulu on May 26, 1976. The symposium was organized jointly by the University of Oulu and the Finnish Chemical Society together with its local section in Oulu.

The opening words were presented by prof. O. VIRTANEN (Oulu). The chairman of the symposium and its organizing committee was prof. L. NIINISTO (Otaniemi).

During the symposium four invited lectures were presented on the following topics:

- State of art of thermal analysis, fundamentals of thermoanalytical methods and expected trends of development. (DR. G. LIPTAY, Budapest)
- Quantitative DTA and automatic evaluation of the results. (A. MIKKULAINEN, Helsinki)
- Some practical applications of thermoanalytical methods. (DR. LIPTAY, Budapest)
- Thermoanalytical methods in the study of kinetics of heterogenous reactions (P. SAIKKONEN, M. Sc., Otaniemi).

The number of participants exceeded 30, about half of them coming from the industry. A small exhibition of instruments was held simultaneously with the symposium.