

Preface

These proceedings contain the texts of 35 contributions presented at the Vth Conference on Calorimetry and Thermal Analysis, which took place on 24-27 September 1991 in Zakopane, Poland. The conferences in question have been organized since 1976 by the Polish Society of Calorimetry and Thermal Analysis (PTKAT), this time in cooperation with the Academy of Mining and Metallurgy in Cracow. The traditional site of the meetings is Zakopane, where the scenery of the Tatras is conducive to the scientific discussions in the field of calorimetry and thermal analysis. The Fifth Conference assembled 160 Polish participants and 31 foreigners from 13 countries (Austria, Bulgaria, China, Czech and Slovak FR, France, Germany, Hungary, Italy, Mexico, New Zealand, Russia, Ukraine and Yugoslavia).

The presentations consisted of oral and poster contributions focussing on the following problems:

- Theory of calorimetric measurements
- Measurement techniques and new calorimeters
- Applications of calorimetry and thermal analyses methods in the studies on inorganic substances including materials (ceramics and metals), polymers and also biological systems.

Thermodynamics and thermochemistry of processes, especially in solutions, and inorganic solids including advanced materials became a field broadly represented and characteristic for this Conference. As things are thermochemical research constitutes the basis of industrial technological processes and are indispensable for adequate interpretations of calorimetric and thermoanalytical data.

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Prof. Dr. Leszek Stoch
Chairman of the Conference