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PHYSICAL CHEMISTRY DIVISION

in conjunction with

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GRUPPO INTERDIVISIONALE DI CALORIMETRIA E ANALISI TERMICA
DELLA SOCIETA CHIMICA ITALIANA

Invited and selected lectures presented at the

**SIXTH EUROPEAN SYMPOSIUM ON
THERMAL ANALYSIS AND CALORIMETRY**

*held in Grado, Italy
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Conference Editors

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Preface

The 6th European Symposium on Thermal Analysis and Calorimetry (ESTAC 6) was held in Grado, Italy, on September 11-16, 1994, and was jointly organised by the Associazione Italiana di Calorimetria e Analisi Termica (AICAT) and the Gruppo Interdivisionale di Calorimetria e Analisi Termica della Società Chimica Italiana (GICAT-SCI), under the sponsorship of the International Union of Pure and Applied Chemistry. The Symposium was also co-sponsored by the Consiglio Nazionale delle Ricerche, Società Chimica Italiana, Universities of Trieste, Pavia, Udine and Turin.

ESTAC 6 has continued a well-established series of meetings devoted to the study of the widest range of chemical and physical processes through the various thermal and calorimetric methods. The first Symposium was organised in 1976 at the University of Salford, UK, with the title of First European Symposium on Thermal Analysis (ESTA 1). The subsequent venues were Aberdeen, UK, in 1981 (ESTA 2) and Interlaken, Switzerland, in 1984 (ESTA 3). Widening of the themes of the Symposium added the term "Calorimetry" to the original acronym: thus ESTAC 4 was held in Jena (GDR) in 1987, and ESTAC 5 in Nice-Sophia Antipolis (France) in 1991.

The Symposium was attended by almost 400 participants, including 60 accompanying persons, from 32 countries (24 European). About 380 scientific contributions were presented concerning the application, theory and advancement of thermal analysis and calorimetry. Themes covered most of the basic (theoretical and practical) aspects in physics, chemistry, material science, bio- and geosciences as well as the environmental, life, medical and pharmaceutical applications of these experimental techniques. The scientific programme consisted of four main Sections: Materials, Environment and Industry, Life Science and Solutions, Methodologies. Moreover, eight panel sessions and workshops were held on specific topics: Controlled Rate Thermal Analysis, Glass Transitions, Calibration and Standards, Calorimetry in Biological Sciences, New Directions for Thermal Analysis Kinetics, Thermal Analysis and Environmental Problems, Conservation of Cultural Heritage, The Venice Lagoon: a Case Study.

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The Editors

A. Cesàro and G. Della Gatta