

## PREFACE

### SEVENTH INTERNATIONAL CONFERENCE ON NONAQUEOUS SOLUTIONS

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The 7th ICNAS, Regensburg, F.R.G., 11-15 August 1980, under the sponsorship of IUPAC and the Deutsche Bunsengesellschaft für Physikalische Chemie encompassed a variety of topics, all of which had a common basis in the properties of nonaqueous solutions, or in chemical reactions affected by these. The following sessions were featured

- Theory of Liquids and Solutions
- Reactions in Nonaqueous Media
- Spectroscopic Investigations on Solute-Solvent and Solute-Solute Interactions
- Thermodynamic and Transport Properties
- Technical and Industrial Applications

Two significant departures from the traditional ICNAS program were the inclusion of the session "Technical and Industrial Applications" and a poster session with a plenary introduction by the session chairman, Professor F. Franks (University of Cambridge). Many participants chose to present their results as posters which were on display in an area near the lecture rooms during the entire conference providing the opportunity for individual discussions.

In the programming of the 7th ICNAS seven plenary lecturers and seven section lecturers were invited. Their lectures are published in this special issue.

In the regular sessions, 87 contributed papers were presented in five sections and 36 poster contributions were on display in the poster hall. The organizing committee wishes to express their thanks to the authors and to the session chairmen who selected and edited the abstracts of these contributions which were published separately in the Conference booklet.

The first scope of the 7th ICNAS was to give a survey on the state of knowledge in the broad field of nonaqueous solutions chemistry. Water as a solvent was included, insofar as it yielded important information on the structure-property profile of solutions in general, e.g., solutions under extreme conditions of temperature and pressure and theory of solutions. An examination of this volume clearly illustrates the variety of themes presented at this conference.

The second scope of the conference was to bring together scientists of various fields for discussion of common basic models from different point of view, theoretical approaches and experimental results as obtained from spectroscopy, electrochemistry, thermodynamics and kinetics. The general trend to discuss relevant structures and meaningful chemical features rather than formal parameters was a highlight of this conference. Impressive results were also shown in the field of application and computer assisted determination of solution properties.

The organizing committee thanks 260 participants and accompanying persons from all over the world for their contribution in making the 7th ICNAS a successful conference.