

FOREWORD

The Tenth Symposium on Thermophysical Properties was held at the National Bureau of Standards (presently the National Institute of Standards and Technology) in Gaithersburg, Maryland, U.S.A., on June 20–23, 1988. The symposium was organized by the Standing Committee on Thermophysical Properties of the Heat Transfer Division of the American Society of Mechanical Engineers and was sponsored by the National Bureau of Standards, the University of Maryland, and the National Science Foundation.

The symposium, the tenth in the well-established series of conferences held since 1959, brought together papers representing current state-of-the-art research on both theoretical and experimental aspects of thermophysical properties of matter in solid, liquid, and gaseous states.

The symposium also included the First Workshop on Subsecond Thermophysics, the Second United States—Japan Joint Seminar on Thermophysical Properties, and a Panel Discussion on Refrigerants. It also featured the first presentation of the Yeram S. Touloukian Award by the ASME Heat Transfer Division.

The symposium had a record registered attendance of 350 scientists and engineers from 24 countries. The program contained 330 papers including several invited papers on major topics of general current interest. About 40% of the papers were from countries other than the United States, which reflected the truly international character of the symposium.

The proceedings of the symposium are being published as special issues of this journal, and this issue is the first in the series; other papers will appear in subsequent issues. Selection of the papers for publication is based on the established journal policy of favorable independent reviews by referees.

It is a pleasure to acknowledge the cooperation and the help of many individuals who contributed to the successful organization of the symposium and to the preparation of the proceedings. Among these are the authors and the invited speakers, the chairmen of the sessions, the referees of the papers, the members of the Standing Committee on Thermophysical Properties, the members of the local arrangements committee, and the

technical staff of the Office of the Standard Reference Data. We also acknowledge the support and the help of the administrators and the secretarial staff of the Center for Chemical Technology and the Thermophysics Division of the National Institute of Standards and Technology and of the Institute for Physical Science and Technology of the University of Maryland.

The eleventh symposium in this series is scheduled to take place in Boulder, Colorado, U.S.A., in June 1991.

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J. V. Sengers

*Chairmen of the 10th Symposium on
Thermophysical Properties*