PREFACE

This festschrift volume is a compilation of all papers presented at the Arthur E. Bergles Symposium held at the Georgia Institute of Technology in Atlanta, Georgia on November 16, 1996. The papers included in this volume span the areas of heat transfer where Professor Bergles has made seminal contributions—heat transfer enhancement, pool and forced convective boiling, cooling of electronic and microelectronic devices, single phase forced convection and process heat transfer. We gratefully acknowledge the contributions of all of the authors, most of whom are internationally recognized experts in their respective fields. The high technical quality and timely publication of this monograph owes much to the efforts of these contributors.

In the conceptualization, initiation and organization of this symposium, Professors Avram Bar-Cohen and Michael. K. Jensen played a pivotal role. The success of this endeavor, including the organization of the various professional and social activities at the Georgia Institute of Technology, was, in large part, due to the efforts, encouragement and support of these two members of the organizing committee. Moreover, the assistance of Ms. Liz Schoonmaker at the Rensselear Polytechnic Institute and Ms. Jessica Gordon at the Georgia Institute of Technology who provided valuable assistance in the organization of this event and Jim Allen who helped with the word processing nittie-gritties necessary for the production of this compendium is gratefully acknowledged.

There are many colleagues and friends whose support, guidance and encouragement have played a key role in the publication of this festschrift volume. Because it would be difficult to thank each and every one of them individually, we would like to express our heartfelt thanks to all of them.

Finally, we owe much to the inspiration provided by Professor Bergles through his long, dedicated and illustrious career. His extensive and exemplary contributions to the the field of heat transfer, engineering practice and education are in the finest traditions of innovation, research and application. We are thankful for all he has done and for his continued interest and leadership in the encouragement of new generations to extend this rich scientific tradition and heritage. Indeed, we have been privileged to be a part of this festschrift effort.

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