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HEAT TRANSFER ENHANCEMENT AND ENERGY CONSERVATION

Editor in Chief



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Song-Jiu Deng

Research Institute of Chemical Engineering
South China University of Technology, Guangzhou, PRC

Editors

T. N. Veziroğlu

Clean Energy Research Institute
University of Miami
Coral Gables, Florida, USA

Ying-Ke Tan

Lie-Qiang Chen

Research Institute of Chemical Engineering
South China University of Technology, Guangzhou, PRC



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HEAT TRANSFER ENHANCEMENT AND ENERGY CONSERVATION

Preface

The International Symposium on Heat Transfer Enhancement and Energy Conservation (ISHTEEC) was held at the South China University of Technology on August 2–5, 1988. The symposium was sponsored by the Research Institute of Chemical Engineering of the South China University of Technology, the Clean Energy Research Institute of the University of Miami, and the Guangzhou Institute of Energy Conversion of the Chinese Academy of Sciences. Also, the symposium was supported by the K. C. Wong Education Foundation.

Since 1973, when the world-wide energy crisis stimulated progress in the technology of heat transfer enhancement and energy conservation, many brilliant achievements have been attained in these two areas of research. However, the shortage of energy and the low efficiency of energy utilization are two remaining obstacles to the improvement of the standard of living for all mankind, especially for those in developing countries with large populations and limited energy resources. Spreading current knowledge about energy conservation more efficiently and developing more useful energy conservation techniques will certainly aid in over-coming these obstacles.

Heat transfer enhancement is usually closely connected with the better utilization of thermal energy. ISHTEEC (Guangzhou 1988) provided a place for the international exchange of the latest information concentrating on the status of heat transfer enhancement and energy conservation research, development, applications, and the relation between these two scopes.

The Symposium admitted scientific papers and accepted scholars from countries and areas including Bahrain, Canada, China, France, the Federal Republic of Germany, Hong Kong, Italy, India, Japan, New Zealand, Poland, the United Kingdom, the United States of America, and Yugoslavia. One hundred twelve papers in full text and 14 papers in the form of abstracts are published in this book. It is expected that this book will be a valuable reference for people who are interested in heat transfer enhancement and energy conservation.

It is a great pleasure for me to take this opportunity to express our sincere appreciation to members of the Organizing Committee of ISHTEEC, to the authors of papers, invited keynote speakers, to

Professor T. N. Veziroğlu for his help in printing and distributing the symposium announcement, to K. C. Wang for his financial support, and to all the persons who made contributions to the Symposium and the Proceedings.

Song-Jiu Deng

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