

PREFACE: BEYOND THE 2015 TFESC TECHNICAL PROGRAM

In August 9–12, 2015 the New York City hosted the inaugural Thermal Fluids Engineering Conference (TFESC-2015) that was organized by American Society of Thermal and Fluids Engineers (www.astfe.org). The conference has attracted over 500 professional researchers and engineers from all over the world. Over 300 technical presentations shaped the conference program consisting of 48 technical sessions and 8 plenary lectures given by the leading experts in the wide spectrum of thermal and fluids engineering areas. The TFESC program also included two special panel sessions. One of them was focused on the industry and technology innovation and discussed the challenges and opportunities for thermal and fluids engineering research to be transferred to technology and business. The other one was a panel discussion on federal funding opportunities and challenges — the panelists included the program directors and managers from the U.S. Department of Defense, National Science Foundation, U.S. Department of Energy, and other funding agencies. Most importantly, this conference has provided a unique opportunity for the participants to interact and network in the context of finding a new way of getting involved in ASTFE and presenting new ideas at future conferences, events, and activities that benefit the research communities at large.

However, some of the participants were not able to attend the conference due to a number of reasons including the late visa, medical issues, and schedule conflicts. That is why the TFESC Organizing Committee decided to offer them an opportunity to present their research results and accomplishments beyond the technical program.

This special issue of the *International Journal of Energy for Clean Environment* contains the papers that were included in the 2015 TFESC Technical Program but were not presented at the conference podium for various reasons. They were accepted after a normal review process for the journal had been completed.

Guest Editors:

Yong Tao, Ph.D.
2015 TFESC Chair
Professor and Department Chair
University of North Texas
Denton, TX USA

Yaroslav Chudnovsky, Ph.D.
2015 TFESC Co-Chair
Senior R&D Staff
Gas Technology Institute
Des Plaines, IL USA

