



**NANYANG
TECHNOLOGICAL
UNIVERSITY**

**First Announcement and Call for Papers
5th ASME Micro/Nanoscale Heat & Mass Transfer
International Conference (MNHMT-16)
January 3-6, 2016, Singapore**

The 5th ASME Micro/Nanoscale Heat & Mass Transfer International Conference (MNHMT-16) will take place in Singapore from January 3 - 6, 2016. This conference series is dedicated to Dr. Chang-Lin Tien (1935-2002), a world renowned scholar and a leader in higher education, whose intellect and unique vision have continued to inspire our efforts in expanding the frontiers of micro/nanoscale heat and mass transfer. The Conference is sponsored by the ASME Heat Transfer Division and organized by the School of Mechanical and Aerospace Engineering of Nanyang Technological University.

The 5th ASME MNHMT-16 succeeds the previous four conference, which were successfully hosted by National Cheng Kung University in Tainan (January 2008), Shanghai Jiaotong University in Shanghai (December 2009), Georgia Institute of Technology in Atlanta (March 2012), and University of Hong Kong in Hong Kong (December 2013) with over 250 attendees in each of the conferences.

Research and education on micro/nanoscale heat and mass transfer have advanced rapidly over the last two decades through many dedicated individuals and team efforts, with direct impact extending into various fields in both science and engineering. The conference is intended to provide a highly interactive forum to bring together researchers, educators and practitioners around the world with the aim of collecting, exchanging and promoting the knowledge and new advances on the state-of-the-art research and development in this interdisciplinary emerging field. The conference will include keynote and invited presentations, contributed oral and poster presentations, as well as panel discussions on the current status and future opportunities.

Technical papers or extended abstracts are solicited in, but not limited to, the following areas:

- Track 1: Micro/Nanofluidics and Lab-on-a-Chip
- Track 2: Nanofluids
- Track 3: Micro/Nanoscale Interfacial Transport Phenomena
- Track 4: Micro/Nanoscale Boiling and Condensation Heat Transfer
- Track 5: Micro/Nanoscale Thermal Radiation
- Track 6: Micro/Nanoscale Energy Devices and Systems
- Track 7: Micro/Nano-Thermal Manufacturing and Materials Processing
- Track 8: Ultrafast Diagnostics of Transport Properties and Processes
- Track 9: Thermal Metrology at Micro/Nanoscales
- Track 10: Computational Methods in Micro/Nanoscale Transport
- Track 11: Heat and Mass Transfer in Small Scale
- Track 12: Micro/Miniature Multi-Phase Devices
- Track 13: Biomedical Applications of Micro/Nanoscale Transport
- Track 14: Measurement Techniques and Thermophysical Properties in Micro/Nanoscale
- Track 15: Boiling, Quenching and Condensation Heat Transfer on Engineered Surfaces
- Track 16: Poster

For papers accepted by ASME MNHMT-16, they will be indexed by EI Compendex, ISI and Scopus. After the conference, authors of selected papers will be encouraged to submit manuscripts for inclusion in a special issue of ASME Journal of Heat Transfer. "Online" submission of abstracts for this conference will soon be available through the ASME website. We will inform you once the website is available.

Important Dates

Abstract submission:	May 31, 2015
Abstract acceptance:	June 20, 2015
Full Paper submission:	August 20, 2015
Full Paper acceptance:	September 20, 2015
Final Paper submission:	October 15, 2015

General Chair: Professor Zhuomin Zhang, Georgia Institute of Technology
Program Chair: Professor Charles Chun Yang, Nanyang Technological University
Local Organizing Committee Chair: Professor Marcos, Nanyang Technological University