



Announcement and Call for Papers
**7th ASME Micro/Nanoscale Heat & Mass Transfer
International Conference (MNHMT-2024)**
August 5-7, 2024, Nottingham (England), UK

The 7th ASME Micro/Nanoscale Heat & Mass Transfer International Conference (MNHMT2024) will be held in Nottingham (England), UK August 5-7, 2024. It is a follow-up Conference to the first six conferences, which were held in Tainan (January 2008), Shanghai (December 2009), Atlanta (2012), Hong Kong (2013), Singapore 2016 and Dalian (2019) with over 300 attendees in each.

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 now extending into various fields in both science and engineering.

The conference is intended to provide a forum for researchers, educators and practitioners around the world to exchange ideas on the state-of-the-art research and development and identify future research needs in this interdisciplinary 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, and many networking opportunities.

General Chair:

Professor Pamela M. Norris
George Washington University, USA
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Program Chair:

Professor Yuying Yan
University of Nottingham, UK
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- Track 1: Micro/Nanofluidics and Lab-On-A-Chip
- Track 2: Nanofluids
- Track 3: Micro/Nanoscale Interfacial Transport Phenomena
- Track 4: Nano/Microscale 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: Micro/Nanoscale Heat Conduction
- Track 9: Computational Methods in Micro/ Nanoscale Transport
- Track 10: Heat and Mass Transfer in Small Scale
- Track 11: Micro/Miniature Two-Phase Devices/ Systems
- Track 12: Biomedical Applications of Micro/ Nanoscale Transport
- Track 13: Visualization of Heat and Mass Transfer in Micro/Nanoscale
- Track 14: Measurement Techniques and Thermophysical Properties in Micro/Nanoscale
- Track 15: Poster Presentations

Papers accepted by ASME MNHMT-2024 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 and Mass Transfer. "Online" submission of abstracts for this conference is available at the ASME MNHMT website (<https://event.asme.org/MNHMT>).

IMPORTANT DATES

- **Abstract Submission Deadline**
Monday November 20, 2023
- **Abstract Acceptance**
Monday December 18, 2023
- **Submission of Full-Length Paper for Review**
Monday February 05, 2024
- **Draft Paper Reviews Completed**
Monday March 11, 2024
- **Notification of Acceptance – Draft Papers**
Monday March 18, 2024
- **Electronic Copyright Process Opens**
Monday February 5, 2024
- **Submission of Revised Papers**
Monday April 1, 2024
- **Acceptance of Revised Papers**
Monday April 15, 2024
- **Submission of Copyright – Final Deadline**
Friday May 3, 2024
- **Final Paper Submission**
Monday May 6, 2024

MNHMT
7th ASME International Conference on Micro/Nanoscale Heat and Mass Transfer
Nottingham (England), United Kingdom
Conference: August 5-7, 2024

Conference Committee

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Yuying Yan

Program Chair, University of Nottingham

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Ronggui Yang, Huazhong University of Science and Technology
Ilaria Zardo, University of Basel
Yonghao Zhang, Chinese Academy of Science

Tracks & Track Chairs

TRACK 1 MICRO/NANOFLUIDICS AND LAB-ON-A-CHIP

Organizer: Dong Liu, University of Houston, United States, dongliu@uh.edu
Co-organizer: Yoav Peles, University of Central Florida, United States, yoav.peles@ucf.edu

TRACK 2 NANOFLUIDS

Organizer: S.M. Sohel Murshed, Universidade de Lisboa, Portugal, smurshed@tecnico.ulisboa.pt
Co-Organizer: Haiping Hong, South Dakota School of Mines & Technology, United States, Haiping.Hong@sdsmt.edu

TRACK 3 MICRO/NANOSCALE INTERFACIAL TRANSPORT PHENOMENA

Organizer: Patrick Hopkins, University of Virginia, United States, phopkins@virginia.edu
Co-organizer: Deyu Li, Vanderbilt University, United States, deyu.li@vanderbilt.edu
Co-organizer: Ashutosh Giri, University of Rhode Island, United States, ashgiri@uri.edu
Co-organizer: Nan Gao, University of Birmingham, UK, N.Gao@bham.ac.uk

TRACK 4 NANO/MICROSCALE BOILING AND CONDENSATION HEAT TRANSFER

Organizer: Chen Li, University of South Carolina, United States, li01@cec.sc.edu
Co-organizer: Nenad Miljkovi, University of Illinois Urbana-Champaign, United States, nmiljkov@illinois.edu
Co-organizer: Ana Moita, Universidade de Lisboa, Portugal, anamaita@tecnico.ulisboa.pt

TRACK 5 MICRO/NANOSCALE THERMAL RADIATION

Organizer: Ceji Fu, Peking University, China, cifu@pku.edu.cn
Co-organizer: Yu-bin Chen, National Tsing Hua University, Taiwan, ybchen@pme.nthu.edu.tw

TRACK 6 MICRO/NANOSCALE ENERGY DEVICES AND SYSTEMS

Organizer: Borca-Tasciuc, Theo, Rensselaer Polytechnic Institute, United States, borcat@rpi.edu
Co-organizer: Melanie Derby, Kansas State University, United States, derbym@k-state.edu

TRACK 7 MICRO/NANO-THERMAL MANUFACTURING AND MATERIALS PROCESSING

Organizer: Debjyoti Banerjee, Texas A&M University, United States, dbanerjee@tamu.edu
Co-organizer: Ronggui Yang, Huazhong University of Science and Technology, China, ronggui@hust.edu.cn

TRACK 8 MICRO/NANOSCALE HEAT CONDUCTION

Organizer: Junichiro Shiomi, University of Tokyo, Japan, shiomi@photon.t.u-tokyo.ac.jp
Co-organizer: Ilaria Zardo, University of Basel, Switzerland, ilaria.zardo@unibas.ch
Co-organizer: Bing-Yang Cao, Tsinghua University, China, caoby@tsinghua.edu.cn

TRACK 9 COMPUTATIONAL METHODS IN MICRO / NANOSCALE TRANSPORT

Organizer: Yonghao Zhang, Chinese Academy of Science, China, Yonghao.Zhang@imech.ac.cn
Co-Organizer: David Emerson, STFC UKRI, david.emerson@stfc.ac.uk
Co-Organizer: Moran Wang, Tsinghua University, China, mrwang@tsinghua.edu.cn

TRACK 10 HEAT AND MASS TRANSFER IN SMALL SCALE

Organizer: Ruina Xu, Tsinghua University, China, ruinaxu@tsinghua.edu.cn
Co-organizer: Simone Mancin, University of Padova, Italy, simone.mancin@unipd.it
Co-organizer: Marco Marengo, University of Pavia, Italy, marco.marengo@unipv.it

TRACK 11 MICRO/MINIATURE TWO-PHASE DEVICES/ SYSTEMS

Organizer: Xiangchun Xuan, Clemson University, United States, xcxuan@clemson.edu
Co-Organizer: Yulong Ji, Dalian Maritime University, China, jivulong@dlmu.edu.cn

TRACK 12 BIOMEDICAL APPLICATIONS OF MICRO/ NANOSCALE TRANSPORT

Organizer: Diana-Andra Borca-Tasciuc, Rensselaer Polytechnic Institute, United States, borcat@rpi.edu
Co-organizer: Bin Chen, Xi'an Jiaotong University, China, chenbin@xjtu.edu.cn

TRACK 13 VISUALIZATION OF HEAT AND MASS TRANSFER IN MICRO/NANOSCALE

Organizer: Guihua Tang, Xi'an Jiaotong University, China, ghtang@xjtu.edu.cn
Co-organizer: Oronzio Manca, Università Della Campania, Italy, oronzio.manca@unicampania.it

TRACK 14 MEASUREMENT TECHNIQUES AND THERMOPHYSICAL PROPERTIES IN MICRO/NANOSCALE

Organizer: Xinwei Wang, Iowa State University, United States, xwang3@iastate.edu
Co-organizer: Oronzio Manca, Università Della Campania, Italy, oronzio.manca@unicampania.it

TRACK 15 POSTER PRESENTATIONS

Organizer: Yasser Mahmoudi Larimi, University of Manchester, UK, yasser.mahmoudi@manchester.ac.uk
Co-organizer: Yong Ren, University of Nottingham Ningbo China, yong.ren@nottingham.edu.cn

Nottingham Local Committee/Team:

Chair:

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