

ASME Heat Transfer Division Newsletter

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2026

INSIDE

SHTC 2026

- Dr. John Tencer



We look forward to the 2026 Summer Heat Transfer Conference (SHTC) to be held July 26 - 29 at the Hyatt Regency Bellevue in Bellevue, Washington. The conference will be co-located with the Energy Sustainability (ES) and Fluids Engineering Divisions (FEDSM) summer meetings. SHTC will feature a technical program with presentations on a wide range of heat transfer-related topics. Some notable events are listed below.

- J.C. Han 80th Birthday Celebration Symposium
- 2nd James V. Beck Memorial Symposium
- Plenary address by Karen Thole, Evan Pugh Professor of Mechanical Engineering and Director of the National Security Institute at The Pennsylvania State University
- Plenary address by Husam Alissa, Senior Director of Systems Technology at Microsoft
- Plenary address by Yogendra Joshi, DARPA Program Manager in the Microsystems Technology Office (MTO) and John M. McKenney and Warren D. Shiver Distinguished Chair at Georgia Institute of Technology
- Plenary address by Robert Wagner, Associate Laboratory Director of the Energy Science and Technology Directorate at Oak Ridge National Laboratory
- Technical panel discussions on Modern Insights into Computational Fluid Dynamics, Fundamentals of Data Center and Contemporary Semiconductor Thermal Management, Nanoscale Thermal Transport for Quantum Information and Quantum Sensing, Fundamentals of Heat Transfer for Aerospace Applications, and AI in Education
- Career Panel for graduate students with representatives from industry, academia, and national laboratories to explore different career options.
- Workshop entitled "Applications of Machine Learning and AI in Heat Transfer Research, Thermal Management and Energy Conversion" to be held Sunday afternoon, July 26
- Announcement of the Max Jakob Award and the Donald Q. Kern Award!
- Newcomer Social for those new to the heat transfer community

IMECE 2026

Track co-chair Dr. Tianli Feng shares new additions to IMECE 2026 and all upcoming IMECE deadlines are listed

IMECE 2025

Research poster awardee spotlight!

ASME HTD Outreach Committee

Rydge Mulford (Chair),
Richard Zhang* (Editor),
and Nehal Jajal

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Important Upcoming IMECE dates:

- **May 5** - Submission of papers and electronic copyright
- **June 9** - Paper reviews complete
- **June 23** - Paper acceptance notification
- **July 7** - Submission of revised papers (if required)
- **July 21** - Notification of acceptance of revised papers
- **Aug 11** - Final paper submission



Visit event.asme.org/IMECE or scan the QR code for accessing the portal

Join the HTD LinkedIn Group - <https://www.linkedin.com/groups/14303327/>

JHMT Announcement

- Dr. Tim Fischer, Editor-in-Chief

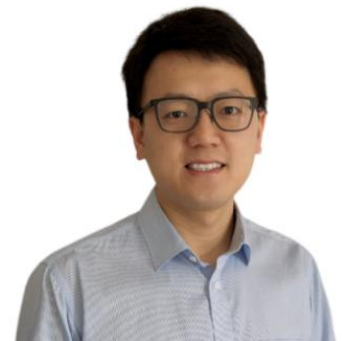
The ASME Journal of Heat and Mass Transfer (JHMT) is pleased to highlight several positive recent developments. First, we have an open call for papers in a special issue on Low-Carbon Thermal Energy Science & Technology. The special issue will include but is not limited to the following themes: Fundamentals of energy transport, conversion, and storage in thermal energy systems; Advances in thermal energy science and engineering pertinent to low-carbon thermal energy technologies; Complex system-level analysis. Papers that involve multi-mode heat transfer (conduction, convection, radiation) and/or mass transfer phenomena in energy conversion and storage are welcome, as are papers on complex, system-level integration for low-carbon energy technologies. More broadly, the journal continues its positive trajectory, with robust growth in citations and paper submissions. We encourage HTD members to submit their most compelling research work to the journal!



IMECE 2026

- Dr. Tianli (Andy) Feng, Heat Transfer Division Track Chair

We look forward to the 2026 ASME International Mechanical Engineering Congress and Exposition (IMECE), which will be held November 8-12 at the Vancouver Convention Centre in Vancouver, British Columbia, Canada. I have the honor of serving the community as the Heat Transfer Division Track Chair, alongside co-chairs Dr. Yi Zheng (Northeastern University) and Dr. Diana Borca-Tasciuc (Rensselaer Polytechnic Institute). We would like to take this opportunity to highlight several events of this year's conference. We are thrilled to announce that **Prof. Kenneth Goodson (Stanford)** and **Dr. Gamal Refai-Ahmed (AMD)** will deliver plenary presentations. As electronics cooling and thermal design advance rapidly, hearing from these two leaders from academia and industry is an opportunity you won't want to miss. We will continue the ASME Rising Stars of Mechanical Engineering Celebration and Showcase event, which will honor early-career researchers who received NSF CAREER, ONR YIP, AFOSR YIP, DARPA YFA, or NIH New Innovator Awards. It includes a poster session where Principal Investigators present their work, followed by a networking period to connect with peers and other professionals. Participants will receive the "ASME Rising Star of Mechanical Engineering" certificate at the reception, and their projects will be promoted on the ASME IMECE website with photos and bios.



Prof. Ken Goodson is the Vice Provost for Graduate Education & Postdoctoral Affairs and the Davies Family Provostial Professor at Stanford University. His former PhD students hold positions in leading IC companies and professorships at institutions including MIT, Princeton, Stanford, UC Berkeley, UIUC, Purdue, and UCLA. Goodson is a member of the U.S. National Academy of Engineering and a Fellow of ASME, IEEE, APS, AAAS, and the National Academy of Inventors. His honors include the ASME Kraus Medal, IEEE Richard Chu Award, InterPACK Achievement Award, and AIChE Kern Award. He holds 35 patents and co-founded Cooligy, a company that developed heat sinks for Apple desktops.



Dr. Gamal Refai-Ahmed is a senior technical executive and internationally recognized leader in thermal management, power architecture, and advanced packaging for AI, high-performance computing, telecommunications, and aerospace systems. Over more than three decades at AMD, Xilinx, GE Global Research, Cisco, and Nortel, he has pioneered technologies that shape modern computing platforms. He is a member of the U.S. National Academy of Engineering and a Fellow of IEEE, ASME, the Canadian Academy of Engineering, and the Engineering Institute of Canada, and has received numerous honors including the University of Waterloo Distinguished Alumni Professional Achievement Medal and the Binghamton University Presidential Medal.

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IMECE 2025

The HTD Best Research Poster Award at IMECE 2025 was presented to **Itamar Harris** from **Worcester Polytechnic Institute** on her work "Laser Technology for Sustainable Industrial Drying in Energy-Intensive Industry Sectors." Itamar says that:

"Participating in IMECE was an amazing experience. I had the opportunity to present my work, attend inspiring sessions, and engage in meaningful conversations with researchers and industry professionals who are shaping the future of engineering and innovation."

She credits **Dr. Jamal Yagoobi**, the **Center for Advanced Research in Drying** at WPI, and the industry members who have mentored her throughout the development of her project. Congratulations, Itamar, on your accomplishment!

