

# ASME Heat Transfer Division Newsletter

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### JHMT May Issue

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Dr. Tim Fischer, the editor of the JHMT, shares about May issue dedicated to Prof. Richard Goldstein



- Dr. Tim Fischer

The ASME Journal of Heat and Mass Transfer (JHMT) is pleased to highlight its special [May 2024 issue](#) dedicated to the memory of Prof. Richard Goldstein (Univ. of Minnesota, USA). Professor Goldstein was an inspiration to countless engineers and researchers across many decades of pioneering work. Perhaps the most impressive attribute of this issue of the journal is the diversity of contributions in terms of both geography and topical content. The issue includes contributions from researchers at leading institutions all around the world -- a testament to the genuinely global impact of Prof. Goldstein's work. Moreover, the issue contains an amazing diversity of topical content inspired by Prof. Goldstein -- from gas turbines to large-scale thermal systems (and much in between). The journal is pleased to provide a forum for remembering our esteemed colleague, Prof. Goldstein. We hope that you appreciate and enjoy this Issue that honors a giant in our field and inspirational mentor to so many in our beloved community.

#### SHTC 2024

List of important events, not to be missed at SHTC 2024!

### SHTC 2024

- Dr. Brent Webb

We look forward to the 2024 Summer Heat Transfer Conference (SHTC) to be held July 15 - 17 at the Anaheim Hilton in Anaheim, California. The conference will be co-located with the Energy Sustainability and Fluids Engineering Divisions summer meetings. SHTC will feature a technical program with over 300 technical presentations on a wide range of heat transfer-related topics. Some notable events are listed below.



- The Richard J. Goldstein Memorial Symposium - 15 lectures from distinguished heat transfer engineers
- Keynote from Professor Jennifer Sinclair Curtis of University of California - Davis titled "Flow Behavior of Aspherical Particles."
- Two short courses are planned for Sunday afternoon, July 14:
  - "Scientific Machine Learning for Computational Physics," presented by Prof. Jian-Xun Wang, University of Notre Dame
  - "Verification and Validation of Computational Simulations," presented by Prof. Luís Eça, IST Lisbon, Portugal
- Federal funding panel with program managers to outline their funding priorities
- Career panel for graduate students with representatives from industry, academia, and national laboratories to explore different career options.
- Announcement of the Max Jakob Award and the Donald Q. Kern Award!
- Newcomer Social for those new to the heat transfer community

#### IMECE 2024

Track co-chair Dr. Diana Borca Tascuic shares new additions to IMECE 2024 and all upcoming IMECE deadlines are listed

#### ASME HTD Outreach Committee

Rydge Mulford\* (Chair)  
and Nehal Jajal

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# IMECE 2024

- Dr. Diana Borca Tasciuc

Dr. Arun Muley of Boeing and I have the honor of serving our community as track chairs for the International Mechanical Engineering Congress & Exposition (IMECE) 2024. We would like to take this opportunity to highlight some new and exciting additions to this year's conference program, which we hope will enrich the experience of those attending the event.

New this year is the participation of our division journals, the Journal of Heat and Mass Transfer and the Journal of Thermal Science and Engineering Applications, in the Conference to Journal (C2J) Initiative. This provides selected conference attendees with a direct pathway for journal publication. Specifically, authors of papers that are ranked as high-quality by the IMECE reviewers are given the opportunity to have their conference paper published in an ASME Journal instead of in the conference proceedings. We hope that this initiative will not only enhance the visibility of high-quality research but also foster a culture of excellence within the community.

The ASME Rising Stars of Mechanical Engineering Celebration and Showcase, also new at IMECE 2024, will honor early-career researchers recognized through NSF CAREER, ONR YIP, AFOSR YIP, DARPA YFA, and NIH New Innovator Awards. The event features a reception on Monday, November 18, from 5:30 to 7:00 PM, where the community is invited to celebrate our junior colleagues. 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. Those who would like to be included in this event should contact the HTD Track Chair, Diana-Andra Borca-Tasciuc, at [borcad@rpi.edu](mailto:borcad@rpi.edu) by May 15.

For our student attendees, the Heat Transfer Division sponsors student competitions, featuring awards in three categories. The "Best Fundamental Knowledge Paper" and "Best Applied Research Paper" awards each recognize up to three student-authored papers, providing a \$500 prize and a certificate for significant contributions to the field. Eligibility for the paper awards requires the student to be the first author. The "In-Session Best Student Presentation Awards" highlight students for exceptional presentation skills during conference sessions, offering a certificate of recognition.

Furthermore, the conference features inspiring plenary talks by Dr. Huijuan Dai of the Department of Energy (DOE), and Dr. Ravi Prasher, of Bloom Energy. Dr. Huijuan Dai is the Program Manager for the Advanced Materials & Manufacturing Technologies Office (AMMTO) Next Generation Materials and Process subprogram at DOE. Her portfolio includes smart manufacturing, cybersecurity for manufacturing, additive manufacturing, composites, highly conductive materials, and materials for harsh service conditions. Dr. Ravi Prasher is the Chief Technology Officer of Bloom Energy and a newly inducted member of the National Academy of Engineering. Prior to joining Bloom Energy, Dr. Prasher was the Associate Lab Director of the Energy Technology Area at Lawrence Berkeley National Laboratory. His research portfolio includes a wide variety of areas, such as fuel cells, hydrogen production, storage and transport, electrochemical and thermal storage, carbon capture, microgrids, and renewable energy, among others.

In summary, IMECE 2024 promises to be an outstanding event this fall, and we look forward to the opportunity to welcome you in Portland!



## Important IMECE dates

**May 14** - Submission of full-length paper for review and electronic copyright process opens

**June 18** - Paper Review Complete

**July 2** - Paper Acceptance Notification

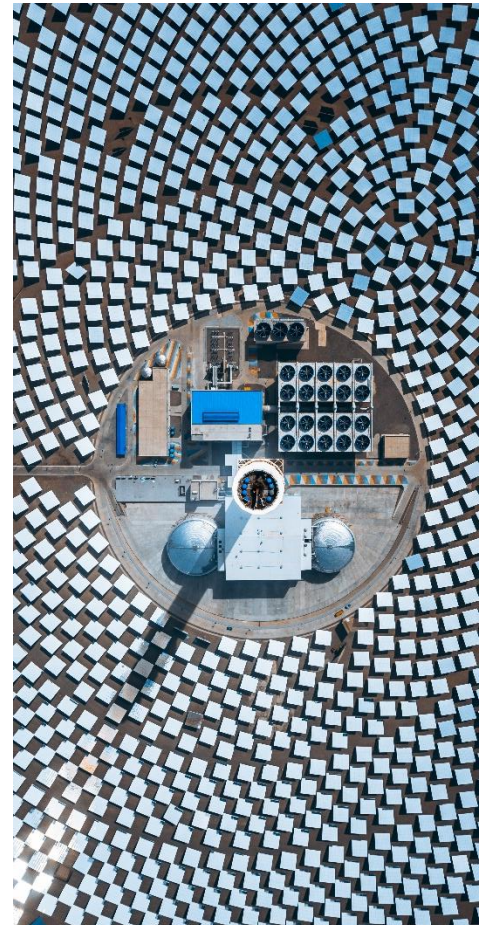
**July 16** - Submission of presentation only and poster abstracts

**July 30** - Submission of revised paper for review (if required) and notification of acceptance of revised papers

**Aug 17** - Submission of copyright form

**Aug 20** - Final paper submission

**Nov 17-21** - IMECE Conference in Portland, Oregon



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