



# THMT'25



## 2nd Announcement and Call for Papers

# 11th International Symposium on Turbulence, Heat and Mass Transfer Tokyo, Japan July 21–25, 2025

The 11th symposium will again assemble scientists and engineers in the area of turbulence, heat and mass transfer to discuss recent advances, emerging challenges and future prospects in research and applications. Major topics and new trends will be addressed by invited keynote speakers.

This 11th THMT follows the previous symposia held in Lisbon (1994), Delft (1997), Nagoya (2000), Antalya (2003), Dubrovnik (2006), Rome (2009), Palermo (2012), Sarajevo (2015), Rio de Janeiro (2018), and Rome (2023).

**DEADLINE**

Extended-Abstracts Submission: November 15, 2024

**Dec. 31, 2024 (New)**

### INVITED PLENARY SPEAKERS (alphabetical order)

Professor **Choongsik BAE**, KAIST, Korea  
Title "TBA"

Professor **Nicholas HUTCHINS**, The University of Melbourne, Australia  
Title "Reynolds Analogy in Wall bounded Turbulence"

Professor **Dirk LUCAS**, HZDR - Helmholtz-Zentrum Dresden-Rossendorf, Dresden, Germany  
Title "3D Lagrangian Aspects of Bubbly Flows: Measurement, Turbulence and Collective Behavior"

Professor **Beverley J. MCKEON**, Stanford University, USA  
Title "TBA"

Professor **Osamu NAKABEPPU**, Meiji University, Japan  
Title "TBA"

Professor **Nesrin ÖZALP**, Illinois State University, USA  
Title "Modeling and Design Optimization of a Supersonic Turbomachinery-Integrated Solar Reactor for Hydrogen Production"

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**B.-C. Wang**, University of Manitoba, Canada



# CALL FOR PAPERS

Authors are invited to submit electronically an extended abstract of 2-4 pages with supporting illustrations as appropriate, to the website [www.thmt-25.org/](http://www.thmt-25.org/) section "Submission."

## Categories:

- Artificial Intelligence in Turbulence Research and Modelling
- Biological and Biomedical Flows
- Compressible and High-Speed Flows
- Control and Augmentation
- Environmental and Geophysical Flows
- Material Processing, in MHD, and Other Special Applications
- Numerical Simulations/Modelling
- Reacting Flows
- Scalar Transport in Forced, Natural and Mixed Convection
- Two-/Multi-Phase Flows
- Unsteadiness, Transients, and Effect of Body Forces
- Utilization in Energy, Process and Environmental Technologies
- General Heat and Mass Transfer

## IMPORTANT DATES

- Receipt of extended abstracts: ~~November 30, 2024~~ → **December 31, 2024**
- Notification of acceptance: February 28, 2025
- Final manuscripts submission: April 30, 2025
- Symposium in Tokyo: July 21–25, 2025



## PROCEEDINGS

The keynote and all accepted papers will be accessible to the registered participants. The proceedings containing copyright transferred contributing papers will be published after the symposium by Begell House Inc., New York (indexed in Web of Science and Scopus citation databases). We also accept OA papers which will not be published in this formal proceedings. The Organizing Committee, assisted by the members of the Scientific Advisory Committee, will review all submitted papers to assess their suitability for presentation at the symposium. We plan to publish selected papers presented at the Symposium in special issues of the *Flow, Turbulence and Combustion* journal and in the *Int. Journal of Heat and Fluid Flow* after the Symposium.

## REGISTRATION FEE\*

- Early registration†: 132,000 JPY
- Late registration: 143,000 JPY
- On-site registration: 154,000 JPY
- Students (early bird†): 77,000 JPY
- Students (late): 88,000 JPY
- Students (on-site): 99,000 JPY
- Accompanying persons: 38,500 JPY

\* At least one standard/student registration is required for each presentation.  
† Before April 30, 2025.

The fee covers the symposium proceedings (electronic format), refreshments and the social programme (receptions and symposium banquet; see website for details). The registration fee for accompanying persons covers participation in the social programme.

## SYMPOSIUM VENUE

**BELLESALLE Ariake Conference Center**, 2-1-5, Ariake, Koto-ku, Tokyo, Japan.

The Center is nestled along Tokyo Bay in the vibrant Ariake district. The center is just minutes from Ariake Station (Yurikamome Line), with excellent access to central Tokyo. Nearby attractions include upscale hotels, shopping malls, and diverse dining options. The Center is approximately 40 minutes from Tokyo Haneda Airport (HND) and 75 minutes from Tokyo Narita Int'l Airport (NRT).

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Further information on the symposium, templates, registration, accommodation and hotel reservation, programme/tours for accompanying persons etc. can be found on the web site:  
<https://www.ichmt.org/> (under future ICHMT meetings) or <https://www.thmt-25.org/>

Contact: [contact@thmt-25.org](mailto:contact@thmt-25.org)