

International Symposium on Low-Carbon Thermal Energy Science and Technology LCET-2025

Kalyon Hotel, Istanbul, Türkiye, 15–17 October 2025

<https://www.ichmt.org/lcet-2025>

The International Symposium on Low-Carbon Thermal Energy Science and Technology (LCET-2025) will be held in Istanbul, Türkiye, on 15–17 October 2025.

The main goal of the symposium is to address scientific and technological gaps in the field to accelerate the development and deployment of low-carbon thermal energy technologies towards a carbon-neutral economy. The symposium will provide a forum for the exposure and exchange of ideas, methods, and results in all aspects of energy-related thermal science and engineering.

CONFERENCE TOPICS

The symposium includes, but is not limited to, the following topics:

- Fundamentals of energy transport, conversion, and storage in thermal energy systems
 - mass, momentum, energy, and charge transport in single and multiphase systems
 - transport phenomena in reactive flows
 - thermodynamics and transport phenomena of non-equilibrium processes
 - thermophysical and thermochemical characterization of renewable energy materials
- Advances in thermal energy science and engineering pertinent to low-carbon thermal energy technologies
 - low- to high-temperature solar thermal and radiative energy
 - thermophotovoltaics
 - biomass energy
 - geothermal energy
 - ocean thermal energy
 - thermal energy storage
 - thermal management of electrochemical energy systems
 - renewable process heat for fuel and materials processing
 - renewable process heat for environmental separations
 - industrial process heat and efficiency
- System-level analyses
 - thermodynamics of energy systems and processes
 - techno-economic assessment of energy systems and processes
 - energy efficiency innovations and policies
 - system integration for complex problems

KEYNOTE SPEAKERS



Baratunde Cola
Georgia Institute of
Technology, and Carbice
Corporation
USA



Bassam Dally
King Abdullah
University of Science
and Technology
Saudi Arabia



Yogi Goswami
University of South
Florida
USA



Sophia Haussener
École Polytechnique
Fédérale de Lausanne
Switzerland



Gary Rosengarten
The Royal Melbourne
Institute of Technology
Australia



Wen-Quan Tao
Xi'an Jiaotong
University
China

PRESENTATIONS / PUBLICATIONS

The Symposium will have both oral and poster presentations. Research communications are strictly limited to two-page abstracts and must clearly state the purpose, the findings, and the originality of their contribution. Acceptance for oral presentations will be based on an internal review process by the Symposium Chairs. Communications accepted for oral presentations will be further considered for publication, as full-length papers, in the special issue of the ASME Journal of Heat and Mass Transfer dedicated to this symposium. The symposium will also include poster sessions to allow researchers to discuss their work in a relaxed atmosphere. All accepted abstracts for oral and poster sessions will be included in the symposium proceedings. The abstracts should be prepared by following [the guide for authors](#), available at <http://www.ichmt.org/lcet-2025>, and submitted in camera-ready format (PDF) electronically via e-mail (w.lipinski@cyi.ac.cy) to Prof. Wojciech Lipiński, Symposium Co-Chair.

SCHEDULE OF DATES

15 July 2025	2-page abstract submission deadline
31 July 2025	Acceptance notification
15 August 2025	Presenting author and early registration deadline
1 September 2025	Registration deadline
15 October 2025	LCET-2025 starts

REGISTRATION

The symposium registration fees are:

- Non-student or part-time student attendees: 600€ if paid before 1 August 2025; 650€ for advance registration after that date, and 700€ on-site,
- Full-time student attendees: 400€, subject to proof of status, before 1 August 2025.

The fees for both regular and student registration cover participation in all technical sessions, symposium proceedings (on a flash disk), book of abstracts, lunches, coffee breaks, but do not include sight-seeing tours, trips, and airport transfers.

At least one author must be registered by 1 August 2025 for the paper to be included in the Symposium program and available online on the Symposium website.

ACCOMMODATION AND TRAVEL INFORMATION

The official travel agent for LCET-2025 is Claros Tour (claros.com.tr). Reservation at Kalyon Hotel and tours at special rates are offered at the symposium website.

CORRESPONDENCE

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See you at LCET-2025!