



27<sup>th</sup> National and 5<sup>th</sup> International  
ISHMT-ASTFE  
Heat and Mass Transfer Conference

**IHMTC 2023**

14-17 December 2023



## About the conference

The 27<sup>th</sup> National and 5<sup>th</sup> International Heat and Mass Transfer Conference (IHMTC-2023) will be organized by the Department of Mechanical Engineering, Indian Institute of Technology Patna, in association with the Department of Mechanical Engineering, Birla Institute of Technology Patna, during 14-17 December, 2023.

## Important Dates

- First Announcement: August 12, 2022
- Full paper submission: June 1, 2023  
(deadline for consideration of oral submission)
- Late news submission: September 15, 2023  
(deadline for poster presentation only)
- Early bird registration : October 15, 2023
- Last date of registration: December 12, 2023

**Call for Papers:** The goal of this conference is to gather scholars from all over the world to present advances in the fields of transport phenomena and to foster an environment conducive to exchanging ideas and information. The conference will bring together national and international experts on various heat and mass transfer topics on a common platform. Original research articles within the scope of the following technical tracks are invited for the conference.

- ❖ Aerodynamics and propulsion
- ❖ Combustion and automotive applications
- ❖ Complex fluid flow and heat transfer
- ❖ Energy devices and systems
- ❖ Fire Technology and Safety
- ❖ Fluid flow and heat transfer in microscale geometries
- ❖ Heat transfer enhancement
- ❖ Heat transfer in manufacturing and materials processing
- ❖ Heat and mass transfer equipment
- ❖ Instability, Transition and Turbulence
- ❖ Machine learning for fluid mechanics and heat transfer
- ❖ Measurement and experimental techniques
- ❖ Nanoscale thermal transport
- ❖ Nuclear heat transfer
- ❖ Multiphase flow and heat transfer
- ❖ Numerical methods for heat and fluid flow
- ❖ Phase change materials
- ❖ Refrigeration and air-conditioning
- ❖ Space heat transfer
- ❖ Theory & fundamentals of thermal transport
- ❖ Thermal management
- ❖ Transport in porous media
- ❖ Transport phenomena in biological systems
- ❖ Miscellaneous

## Organizing Committee

**PATRON:** Prof. T.N . Singh  
Director, IIT Patna

**CO-PATRON:** Prof. Arbind Kumar  
Director, BIT Patna

**CONVENOR:** Prof. M. Pathak

**CONVENOR:** Dr. M. K. Khan

**SECRETARY:** Dr. Rishi Raj

Email: [ihmtc2023@gmail.com](mailto:ihmtc2023@gmail.com)

For details, please visit: <https://ihmtc2023.iitp.ac.in/>

