

# **International Conference on Thermal Sciences and Sustainable Energy (ICTSE-2026)**

**January 23–24, 2026**

**Organized by**

**Department of Mechanical Engineering,  
National Institute of Technology Warangal**



# About NIT Warangal and Mechanical Engineering Dept.

National Institute of Technology Warangal, established in 1959, is the first in the chain of 31 NITs in the country. The institute is recognized as an Institute of National Importance and is ranked among the top technical education institutions in India. There are 14 Departments offering 10 undergraduate programmes (B.Tech) in engineering, 29 post graduate programmes and research programmes in engineering, sciences, humanities, physical education and management. NIT Warangal is a residential campus with about 7000 students from across the country and about 500 international students.

Department of Mechanical Engineering (MED) was established as one of the major departments of the Institute, since its inception in 1959. The department has been actively engaged in teaching and research in diverse fields of Mechanical Engineering. MED has 51 faculties holding Ph.D from reputed Indian and foreign Universities. The department offers 1 Under Graduate (B.Tech.) and 5 Post Graduate (M.Tech) courses. The MED has 400+ SCI/Scopus Indexed journals in last 3 years.

## About the Conference

The International Conference on Thermal Sciences and Sustainable Energy (ICTSE 2026) aims to provide a leading forum for researchers and engineers from academia and industry to exchange the latest advancements and cutting-edge research in the diverse fields of heat transfer and fluid dynamics. The conference strives to showcase and disseminate the most recent theoretical, computational, and experimental findings in heat transfer and fluid flow, covering fundamental principles and novel applications. ICTSE 2026 aims to connect individuals from diverse backgrounds and expertise to foster new research partnerships, knowledge sharing, and technology transfer to address emerging challenges related to sustainable energy systems and energy efficiency, climate change mitigation and adaptation and biomedical applications and healthcare.

## Call for Paper

Faculties, scientists, researchers and technical experts are invited to submit their original work in the fields of heat transfer, fluid systems and energy systems. All the papers must be presented in person. An option for online presentation is available only for foreign delegates.

## Publication Details

All the papers accepted after peer review from registered participants will most probably be published in the conference proceedings or Lecture Notes with ISBN number. Selected papers presented will be published in **Energy (Elsevier)** and other SCI/Scopus journals (names will be updated after proper permission) as special issues after peer review process.



# Conference Tracks

## Thermal

- IC engines and Gas turbine
- Combustion
- Advances in Heat Exchangers
- Electronics Cooling
- Micro and nanoscale heat transfer
- Thermal Management of EV components
- Heat Transfer in Multiphase Flows
- Heat Transfer Enhancement Techniques
- Heat transfer devices
- Gas turbine cooling
- Innovations in Refrigeration and Air conditioning

## Interdisciplinary Studies

- AI/ML for thermo-hydraulic systems
- Measurement techniques for thermal and fluid systems
- Sensor development
- Heat and fluid flow in advanced manufacturing techniques

## Fluid

- Turbulent Flows
- Hydro machinery
- Multiphase Flows
- Microfluidics
- Biofluidics
- Fluid structure interaction
- Aerodynamics
- Compressible fluid flow
- Flow visualization
- Flow through porous media

## Energy and Sustainability

- Solar Energy Equipment and Processes
- Fuel Cells
- Nuclear Energy
- Energy Storage Systems
- Wind turbines
- Hydrogen Production and Storage
- Hydrogen Transport and Utilisation
- Biofuels and Biomass
- Waste to energy

## Important dates

Full length paper submission deadline	15/09/2025
Notification of final acceptance	15/11/2025
Registration (Early bird) deadline	30/11/2025
Registration (Regular) deadline	31/12/2025

## Registration Details

Category	Early bird		Regular	
	Indian (INR)	Foreign (USD)	Indian (INR)	Foreign (USD)
Students	2500	50	3500	75
Academia, R&D, Industry delegates	4000	100	5000	125

Registration fees inclusive of 18 % GST

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