

# **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**



**[cms.nitw.ac.in/ictse2026](https://cms.nitw.ac.in/ictse2026)**



**[ictse26@nitw.ac.in](mailto:ictse26@nitw.ac.in)**

## 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.

## 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. This includes, but is not limited to, advancements in conduction, convection, and radiation heat transfer, single-phase and multi-phase flows, computational fluid dynamics (CFD) and numerical methods, microfluidics, turbulence and complex flow phenomena, and energy and environmental 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 has following publication options.

- Energy (Elsevier) as special issues (Selected papers) (More journals will be included )
- Journal of Thermal Engineering and Sigma Journal of Engineering and Natural Sciences (Yildiz Technical University) as regular issue (Selected papers) (More journals will be included )
- Lecture Notes by renowned publisher (please visit website for update)



# Conference Tracks

*Papers are called for, but not limited to the following topics:*

## 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

## 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

## 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

## Important dates

Abstract Submission Deadline	1/08/2025
Notification of abstract acceptance	15/08/2025
Full length paper submission deadline	30/09/2025
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 Delegates (INR)	Foreign Delegates (USD)	Indian Delegates (INR)	Foreign Delegates (USD)
Students	3000	50	3500	75
Academia, R&D, Industry delegates	4500	100	5500	125

Registration fees inclusive of 18 % GST



## Sponsorship

Category	Charge	Benefits
Platinum	100000 + 18% GST	<ul style="list-style-type: none"><li>• Registration waiver for 4 attendees.</li><li>• Company logo and organization's name in website and venue.</li><li>• Exhibition space, Promotional videos during breaks.</li><li>• 10 min time for presentation during a session</li></ul>
Gold	75000 + 18% GST	<ul style="list-style-type: none"><li>• Registration waiver for 3 attendees.</li><li>• Company logo and organization's name in website and venue.</li><li>• Exhibition space, Promotional videos during breaks.</li></ul>
Silver	50000 + 18% GST	<ul style="list-style-type: none"><li>• Registration waiver for 2 attendees.</li><li>• Company logo and organization's name in website and venue.</li><li>• Exhibition space.</li></ul>
Bronze	20000 + 18% GST	<ul style="list-style-type: none"><li>• Registration waiver for 2 attendees.</li><li>• Exhibition space.</li></ul>

## Overview of participants

- Number of papers expected: 150
- Expected Participating institutes: IITs, NITs, foreign universities, reputed private institutions.
- Expected Participating industries and research organizations: AERB, DRDO, IGCAR, NPCIL, NAL, NHPC, UJVNL etc.

## Further contact details

### Account Details

Bank Name – State Bank of India  
Acc Name – Director Research Account  
Acc No.– 62266262236  
IFSC – SBIN0020149

Dr. Satyanand Abraham  
email – abrahams@nitw.ac.in  
Ph – 9820727846

Dr. Anant Kumar Rai  
email – anant@nitw.ac.in  
Ph – +91 95482 85567

Prof. D jaya Krishna  
email – djayakrishna@nitw.ac.in  
Ph – +91 83329 69369

# Organizing Committee

## Patron

Prof. Bidyadhar Subudhi  
Director, NIT Warangal

## Chairman

Prof. Y Ravi Kumar  
HoD, MED, NIT Warangal

## Organizing Secretaries

Dr. Satyanand Abraham  
Dr. Anant Kumar Rai  
Prof. D Jaya Krishna  
MED, NIT Warangal

## Conveners

Prof. Ravi Kumar Puli  
Prof. G. Amba Prasad Rao  
MED, NIT Warangal

## Publication Incharge

Prof. V P Chandra Mohan  
Prof. Karthik B  
MED, NIT Warangal

## Core Committee

Prof. S Srinivasa Rao, NIT Warangal  
Prof. A Veeresh Babu, NIT Warangal  
Prof. G N Srinivasulu, NIT Warangal  
Prof. V R K Raju, NIT Warangal  
Prof. K Kiran Kumar, NIT Warangal

Dr. P Ravi Kumar, NIT Warangal  
Dr. C Hari Krishna, NIT Warangal  
Dr. C Sampath Kumar, NIT Warangal  
Dr. Prasanth Anand K L, NIT Warangal

## Technical Committee

Dr. A Venugopal, IIT Bhuvneshwar  
Dr. Alankrita Singh, IIT Roorkee  
Dr. Aneesh A. M, BITS Pilani  
Dr. Anuj Bisht, IIT Roorkee  
Dr. Chandra Shekhar Pant, IIT Roorkee  
Dr. Harekrishna Yadav, IIT Indore  
Dr. Jacob Koshy M, NIT Calicut  
Dr. K B Hardikkumar, IIT Jodhpur  
Dr. Manish Jain, NPCIL  
Dr. Manjesh Kumar Singh, IIT Kanpur  
Dr. Nagesh Patil IIT Bhilai  
Dr. Naresh Yarramsetty, SVNIT Surat  
Dr. Nikhil Kumar Singh, IIT Roorkee

Dr. Nitish Arya, IIT Roorkee  
Dr. Pramod Kuntikana, IIT Palakkad  
Dr. Pranjali Sharma, IIT Roorkee  
Dr. Ravita Lamba, IIT Roorkee  
Dr. Rhythm Singh, IIT Roorkee  
Dr. Roopak Kumar Raman, AERB  
Dr. Saurabh Sharma, IIT Roorkee  
Dr. Sudheer Siddapureddy, IIT Dharwad  
Dr. Sudev Das, NIT Calicut  
Dr. Sumit Tripathi, IITRAM, Gujarat  
Dr. Tapan K. Mankodi, IIT Guwahati  
Dr. Vadiraj Anant Hemadri, BITS Goa  
Dr. Vijay S. Duryodhan, IIT Bhilai  
Dr. Virkeshwar Kumar, IIT Kanpur

## International and National Advisory Committee

Dr. Alexandre Presas Batllo, UPC, Spain  
Prof. Amit Kumar, NUIST, China  
Dr. David Valentín, UPC, Spain  
Dr. Hari Prasad Neopane, KU, Nepal  
Prof. P S Lee, NUS, Singapore  
Dr. Srikanth Rangarajan, BinghamtonU, US  
Prof. Thomas Staubli, HSLU, Switzerland  
Dr. Xiao Yexiang, Tsinghua University

Dr. Atanu Das, NML, Jamshedpur  
Prof. Arvind Pattamatta, IIT Madras  
Dr. B Suresh, GTRE (DRDO)  
Dr. M P Mishra, IRDE (DRDO)  
Prof. S K Das, IIT Madras  
Prof. S R Shine, IIST Trivandrum  
Prof. S V Prabhu, IIT Bombay  
Prof. Sandeep K Saha IIT Bombay  
Prof. V. Sajith, NIT Calicut