

SEATS 2026

International Conference on Sustainable Energy and Thermal Systems

(SEATS 2026)

10th - 11th Sept, 2026



Jointly Organized by

Department of Mechanical Engineering,
Manipal University Jaipur, India

&

Department of Mechanical Engineering,
IIITDM Kurnool, India

Venue

Department of Mechanical Engineering,
Manipal University Jaipur

About the MUJ

The Manipal Education and Medical Group is an established leader in the field of education, research and healthcare. In a span of over seven decades, it has transformed the lives of more than 3,00,000 students from over 59 countries. The group includes five Universities - Manipal Academy of Higher Education (MAHE, Karnataka), Sikkim Manipal University (Sikkim), American University of Antigua (Caribbean Islands), Manipal International University (Malaysia) and Manipal University Jaipur (Jaipur). Manipal University Jaipur, established in 2011 by the Government of Rajasthan, is a prestigious multidisciplinary institution known for academic excellence, research output, and global collaborations. MUJ is UGC-recognized, NAAC accredited with 'A+' grade, ranked 58th in NIRF 2025 (University Category), ranked 98th (Overall Category), and holds strong positions in discipline-wise rankings such as 58th in Engineering and 21st in Architecture. With its state-of-the-art infrastructure, modern laboratories, and rising national reputation, MUJ is a preferred host for international conferences and academic events.

About IIITDM Kurnool

Indian Institute of Information Technology, Design & Manufacturing, Kurnool (IIITDMK) was announced in 2014 after receiving the assent of President of India to the Institutes of Information Technology Act, 2014, and its subsequent publication in the Gazette of India, Extraordinary, Part- II, Section I, on December 08, 2014. The institute was announced by Government of India to give effect to its obligation under the Andhra Pradesh reorganization act 2014. Located on a scenic 151-acre hilltop campus in the Rayalaseema region, the institute provides a serene and wind-swept environment ideal for high-level research and academic focus. Situated just 20 km from Kurnool Airport on NH 40, the campus has been fully operational since 2018 and is rapidly expanding its state-of-the-art infrastructure, including specialized laboratories and modern residential facilities, to support its growing community of students and faculty.

About the Conference

SEATS 2026 aims to provide a premier international forum for researchers, academicians, industry professionals, and policymakers to present and discuss recent advances in thermal sciences, energy systems, and sustainable engineering. The conference focuses on decarbonized and low-emission technologies, sustainable energy conversion, advanced thermal management, clean combustion, energy storage, smart materials, and AI-enabled energy solutions. With strong alignment to global net-zero targets and the United Nations Sustainable Development Goals (SDGs), SEATS 2026 promotes interdisciplinary collaboration and high-quality scholarly exchange to address critical challenges related to climate change, energy security, and sustainable development.

The conference seeks to foster innovation, knowledge dissemination, and impactful research outcomes that contribute to the transition toward a low-carbon and sustainable energy future.

Call For Papers

Track 1: Green Energy Systems and Technologies

- Renewable and hybrid energy systems
- Hydrogen and fuel cell technologies
- Waste-to-energy and circular energy solutions
- Carbon capture, utilization, and storage (CCUS)
- Energy-efficient and net-zero energy building

Track 2: Thermal Energy Conversion and Management

- Energy generation, utilization, conversion and transmission
- Energy, exergy, exergoeconomic and environmental (4E) analysis
- Numerical, and CFD studies in thermal engineering
- Advanced heat transfer and thermal management
- HVAC systems for sustainable buildings

Track 3: Energy Storage Systems

- Thermal energy storage and conversion
- Supercapacitors and hybrid electrochemical energy storage systems
- Battery thermal management systems (BTMS)

- Next-generation battery technologies
- Electrochemical storage for renewable integration

Track 4: Clean Fuels and Combustion Technologies

- Biofuels, synthetic fuels, and e-fuels
- Future of Alternative and Sustainable Fuels
- High-efficiency combustion and propulsion systems
- Clean Combustion Strategies for IC Engines
- Emissions reduction and engine optimization strategies

Track 5: Advanced materials for sustainable development

- Nanomaterials and nanocomposites
- Bio-based, biodegradable, and recycled materials
- High-temperature and corrosion-resistant materials
- Additive manufacturing and advanced fabrication techniques
- Smart materials
- Life cycle assessment of advanced and functional materials

Track 6: AI, ML, and Image Processing for Sustainable Energy Systems

- AI- and ML-based modeling, optimization, and control of energy systems
- Machine learning for renewable energy forecasting (solar, wind, hybrid systems)
- Deep learning, neural networks, and hybrid AI models for energy applications
- AI applications in smart grids, microgrids, and energy management systems
- IoT integration in energy systems

Track 7: Policy, Safety, and Strategic Aspects

- Energy policy and climate strategies
- Defence energy security and strategic sustainability
- Technology transfer and commercialization pathways
- Policy frameworks for hydrogen, bioenergy, and alternative fuels
- Net-zero roadmaps, national strategies, and long-term decarbonization planning

For more information and updates

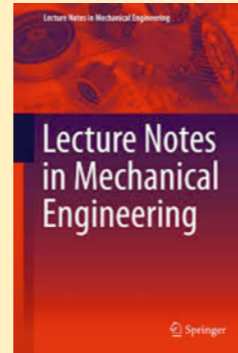
www.seatsmuj.in

info@seatsmuj.in

+91 9460763566

Publications

Conference Proceedings



Springer Book Series (LNME)

'It is planned to publish the peer-reviewed and selected papers of conference as proceedings with Springer. For detailed instructions for author and editors of conference proceedings, kindly visit the following link: <https://www.springer.com/us/authors-editors/conference-proceedings>.

Select papers from the conference will be published by Springer as a proceedings book volume. Springer will conduct quality checks on the accepted papers and only papers that pass these checks will be published.

Springer Nature does not charge any money for publication of Non-Open Access content. Abstracts/extended abstracts and short papers (less than 4 pages) are not considered for publication.'

Journal Publications



Some selected high-quality papers will be invited for extended submission in following reputed SCI/SCIE/SCOPUS indexed journals:

1. Journal of Enhanced Heat Transfer, **SCOPUS** (Q2), SCIE, IF-1.5
2. Journal of Thermal Engineering, Published by Yildiz Technical University, **SCOPUS** (Q2), IF 1.1
3. Sigma Journal of Engineering and Natural Sciences, Published by Yildiz Technical University, **SCOPUS** (Q4).

Registration Fees

Registration Fee Includes: Access to all the Conference sessions, Conference kit, Lunch & Refreshment, Conference certificate/ receipt. Conference fee is non refundable. GST charges included.

Category	Early Bird Reg.	Reg. after 15th July
Industries	(INR) 7000	(INR) 8000
Academicians	(INR) 6000	(INR) 7000
Students	(INR) 5000	(INR) 6000
Foreign Delegates	(USD) 200	(USD) 250
Foreign Academicians/Students	(USD) 150	(USD) 200
Conference Participation	(INR) 4000	(INR) 5000
Foreign Participation	(USD) 100	(USD) 150

Key Dates

Abstract Submission Deadline	April 30, 2026, 10 May
Acceptance notification of abstract	May 10, 2026, 15 May
Full Paper Submission Deadline	May 30, 2026
Registration Deadline (Early Bird)	July 15, 2026
Registration Deadline	August 15, 2026
SEATS 2026	September 10-11, 2026

Registration Link

<https://cmt3.research.microsoft.com/User/Login?ReturnUrl=%2FSEATS2026%2FSubmission%2FIndex>



Payment Link

Domestic Participates
<https://rzp.io/rzp/1dmbVvSe>



Foreign Participates
<https://rzp.io/rzp/TYhvLQI>



Scientific Advisory Committee

- Prof. Sarit K. Das, IIT Madras
- Prof Dibakar Rakshit, IIT Delhi Abu-Dabhi Campus
- Prof Ashok Kumar, University of Melbourne, Australia
- Prof Mohd. Khalid, University of Glasgow, UK
- Prof Rizalman Bin Mamat, UMPSA, Malaysia
- Prof Pradeep Dutta, IISc Bengaluru
- Prof Dilip Sharma, MNIT Jaipur
- Prof. K. A. Subramanian, IIT Delhi
- Prof J V Tirkey, IIT BHU
- Prof Prashant, NIT Bhopal
- Prof Amit Agrawal, IIT Bombay
- Prof Rajamohan Natrajan, Sohar University Oman
- Prof Manoj K Soni, BITS Pilani
- Prof. Prabha Chand, Professor, Mechanical Engineering, NIT Jamshedpur
- Dr Upul Wijayantha, Cranfield University, UK
- Dr Hong Xian Li, Deakin University, Australia
- Dr Daya Pandey, Leeds University, UK
- Dr Li Zhao, Zhejiang University of Science and Technology, China
- Dr Xudong Shen, Huanjiang Laboratory, Zhejiang University, China
- Dr Sontopee Aimmanee, KMUTT, Thailand
- Dr Ahmad Fitri Bin Yusop, UMPSA, Malaysia
- Dr Mohd Azman Abas, Universiti Teknologi Malaysia
- Dr Izabella, Technical University of Leoben, Austria
- Dr Amalina Amir, Universiti Teknologi MARA
- Dr Juffrizal Bin Karjanto, Universiti Teknikal Malaysia Melaka (UTeM)
- Dr. Devranjan Samanta, Mechanical Engineering, IIT Ropar
- Dr Shaswat Bhattacharya, IIT Mandi
- Dr Awadhesh Yadav, Dy Director, NISE, Gurgaon
- Dr Satyanarayan Patel, IIT Indore
- Dr Sarvesh Mishra, IIT Kanpur
- Mr V Atul, Vice President, SMS India Pvt Ltd, Gurgaon
- Dr RR Sahoo, IIT BHU
- Dr Gaurav Tiwari, VNIT Nagpur
- Dr. Ravi Prakash Khandelwal, Siemens India, Gurgaon
- Er Naresh Kumar Sharma, Siemens India, Gurgaon

Organizing Committee

Chief Patron

Mr. S Vaitheeswaran, Chairperson, MUJ

Patrons

Dr. N N Sharma,
President, MUJ

Prof BS Murty,
Director, IIITDM Kurnool

Co-Patrons

Dr. Karunakar A Kotegar
Pro President, MUJ

Dr. Amit Soni
Registrar, MUJ

Dr. J Krishnan
Registrar, IIITDM Kurnool

Honorary Chairs

Dr. Kuldip Singh Sangwan
Dean, FoSTA, MUJ

Dr. Ravi Kant Gupta,
Associate Dean, FoSTA, MUJ

Conference Chairs

Dr. Ravi Raja Adhikari
HoD, Mechanical Engineering, MUJ

Dr. Akhtar Khan
HoD, Mechanical Engineering,
IIITDM Kurnool

Conveners

Dr. Rahul Goyal
Department of Mechanical Engineering, MUJ

Dr. Ravi Kumar Sharma
Department of Mechanical Engineering, MUJ

Dr. Pawan Kumar
Department of Mechanical Engineering, IIITDM Kurnool

Co- Conveners

Dr. S. Anand Kumar, Department of Mechanical Engineering, IIITDM Kurnool

Dr. Pushendra Rathore, Department of Mechanical Engineering, MUJ

Dr. Rahul Khatri, Department of Mechanical Engineering, MUJ

Dr. Hemant Raj Singh, Department of Mechanical Engineering, MUJ

Organizing Secretary

Dr. Dharmesh Yadav, Department of Mechanical Engineering, MUJ

Dr. Alok Ansu, Department of Mechanical Engineering, MUJ

Dr. Ashu Yadav, Department of Mechanical Engineering, MUJ

Dr. Somenath Gorai, Department of Mechanical Engineering, MUJ

Coordinators

Dr. Ashish Goyal, Dept. of Mechanical Engineering, MUJ

Dr. Ankur Srivastava, Dept. of Mechanical Engineering, MUJ

Dr. Sumit Taneja, Dept. of Mechanical Engineering, MUJ

Dr. Devendra K Vishwakarma, Dept. of Mechanical Engineering, MUJ

Sponsorship

Facilities	Sponsorship categories			
	Platinum (₹)	Diamond (₹)	Gold (₹)	Silver (₹)
	100000/-	75000/-	50000/-	25000/-
Logo on conference banners	Yes	Yes	Yes	Yes
Space for Banners/ Standee Installation	Yes	Yes	Yes	Yes
Advertisement on website	Yes	Yes	Yes	Yes
Acknowledgement in conference and sessions	Yes	Yes	Yes	Yes
Advertisement on printed materials	Yes	Yes	Yes	No
Complementary event registration	4 pax	3 pax	2 pax	1pax
Interaction session with guests	Yes	Yes	No	No
Separate space for product display	Yes	Yes	No	No
Opportunity for presentation in technical session	Yes	NO	No	No
Logo in the background on every online event	Yes	No	No	No
Half page advertisement in the conference abstract publication book	Yes	No	No	No
Minimum 25% off on next year conference sponsorship	Yes	No	No	No
Display of logo, on the conference website from the end of this conference to next year conference	Yes	No	No	No

Sponsorship

- Since sponsorship opportunities are limited, these shall be allocated on a first come first serve basis.
- The sponsors shall set up their stalls (specified size) and bring display material as desired by them for the display stalls.
- All payments for sponsorship/stall bookings are to be made in advance.
- All transactions are subject to Jaipur jurisdiction.
- All stall requirements shall be made known 15 days prior to the event. All additions shall be charged appropriately.
- Company's Logo & complete Name of the Company with style will be required for acknowledging through Backdrops, Banners, brochures, stationary, Invitation cards & other promotional material.