INCOM 2026

3rd International Conference on Mechanical Engineering

08 – 10 January 2026

Organized by: Department of Mechanical Engineering, Jadavpur University

About the Conference:

International Conference on Mechanical Engineering (**INCOM**) is a series of international conferences organized by the Department of Mechanical Engineering, Jadavpur University. The 1st and 2nd editions in this series were held with overwhelming success in 2018 and 2024, respectively. The **3rd International Conference on Mechanical Engineering (INCOM 2026)** is going to be organised from **8 to 10 January 2026** at the Department of Mechanical Engineering, Jadavpur University. **INCOM 2026** aims to continue the tradition of providing a global platform for researchers, academicians, scientists, practicing engineers and industry professionals to showcase their work, exchange ideas, share research advancements, explore collaboration opportunities and discuss emerging trends related to Mechanical Engineering and its associated interdisciplinary domains. The conference will consist of plenary and keynote lectures from eminent personalities and stalwarts of relevant domains, panel discussions and parallel technical sessions for contributory papers. The conference will be conducted in a hybrid format, accommodating both in-person and virtual (online) presentations. However, physical attendance is highly encouraged, as it offers valuable opportunities to network and engage with participants from diverse research fields.

Call for Papers:

The organisers are delighted to invite researchers, academicians, industry professionals, scholars and students to submit their original and innovative research contributions in the field of mechanical engineering and associated interdisciplinary areas as technical papers. Prospective authors are encouraged to submit high-quality, original research papers (4-pages) as per the tracks of the conference through the online manuscript submission portal.

- Submission of papers through email is strictly prohibited and will not be considered under any circumstances.
- Detailed guidelines for preparation of the manuscript are provided in the conference website (https://www.incomju.com/).
- A detailed formatting checklist is also available in the conference website.
- The similarity index (iThenticate/Turnitin) of the submitted manuscripts should be less than 20%.
- Submitted manuscripts will undergo a thorough blind peer review by panel of highly qualified reviewers, with the criteria for acceptance being quality, originality, technical content, relevance and alignment with the theme of the conference.

Accepted and registered papers will be included in the proceedings (with ISBN) of the conference. Moreover, consistent with the approach taken in the previous two editions, **papers presented at the conference will also have the opportunity to be considered for publication in journals or book series of international repute.**

Tracks of INCOM 2026 (Sub-tracks indicative and not limited to those mentioned in the list)

Track 1: Thermo-fluids

- Computational and analytical methods in fluid dynamics and/or heat transfer
- Experimental techniques in heat transfer and/or fluid flow
- Dynamics and control of thermal systems and processes
- Multiphase flow, porous media modeling, melting, solidification processes
- Heat Transfer and fluid flow in power plants, combustion and reacting systems and HVAC systems
- Heat transfer enhancement and thermal management
- Fluid–structure interaction and coupled problems
- Transport in MEMS, NEMS and biological system
- Fluid flow and/or heat transfer in turbomachines
- Nuclear thermal hydraulics

Tracks of INCOM 2026 (Sub-tracks indicative and not limited to those mentioned in the list)

Track 2: Solid Mechanics and Structural Engineering

- Mechanics of Deformable Solids
- Dynamics of Particles and Rigid Bodies
- Linear and Nonlinear Vibrations, Wave Propagation
- Viscoelasticity and Plasticity
- Mechanics of Composites and Functionally Graded Materials
- Computational Methods for Structural Analysis
- Structural Stability
- Fracture Mechanics
- Micromechanics and Nanomechanics, Nano particles reinforcement
- Smart Materials and Structures, Energy Harvesting

Track 3: Engineering Design

- Computational Mechanics
- Multi-scale Modelling
- Non-linear Dynamics
- Integrated Design & Simulation
- Design Optimization
- Condition Monitoring
- Vibration Analysis
- System Engineering
- Additive manufacturing
- Computer aided design

Track 4: Production Engineering and Management

- Machine tools and cutting tools
- Machining- conventional, nonconventional
- Manufacturing Management/operations research
- Metrology and measurement
- Manufacturing Processes and Technology
- Production Planning and Scheduling
- Modelling, Simulation and Design
- Quality Management and control
- Generative Manufacturing
- Computer aided manufacturing

Track 5: Material Science and Engineering

- Material processing and manufacturing
- Material testing and characterization
- Metals and alloys
- Polymers and composites
- Ceramics and glasses
- Nanomaterials and nanotechnology
- Tribology and surface engineering
- Biomedical and energy materials
- Smart materials and systems
- Computational materials science

Track 6: Mechatronics, Control and Robotics

- Modeling, simulation, identification, design, development and control of mechatronic systems
- Sensors and actuators
- Nonlinear/adaptive control
- Machine vision and perception
- Robotic applications in surgery, disaster management, surveillance etc.
- Unmanned autonomous vehicles
- Active and passive vibration control
- Control of process, flow, production systems, electromechanical systems, etc.
- Artificial intelligence and machine learning in robotics and mechatronic systems
- Human-robot interaction, HIL simulation

Track 7: Energy, Natural Resources and Sustainable Development

- Energy Resources and Conversion Technologies
- Energy Efficiency, Energy Conservation and Management
- Energy Materials and Technologies
- Hydrogen Energy and Fuel Cells and Electric Vehicles
- Waste-to-Energy, Waste Management
- Energy Storage, Distribution and Integration
- Green and Renewable Energy Resources and Technologies
- Climate Change, Environmental Impact of Energy Systems and Recycling
- Sustainable Energy Technology, Circular Economy, Sustainable Development, LCA
- Energy Policy, Energy Economics and Energy Audit

Track 8: Mechanical Engineering Education

- Benchmarking in Engineering education system
- Quality issues in Engineering education
- Challenges for mechanical engineering graduates
- Globally competitive Engineering graduates
- Incorporating SDGs in education
- Degree - Engineering vs technology
- Adopting new techniques and pedagogy

Track 9: Machine Learning and Data Science

- ML in CFD & Heat Transfer
- AI in Structural Mechanics
- Intelligent Control & Automation
- AI in Manufacturing
- Predictive Maintenance
- AI in Energy Systems
- Digital Twin & Cyber-Physical Systems
- AI-ML in geophysical systems, bio-medical systems etc.
- LLMs in mechanical systems
- Application of Data Sc in mechanical engineering.

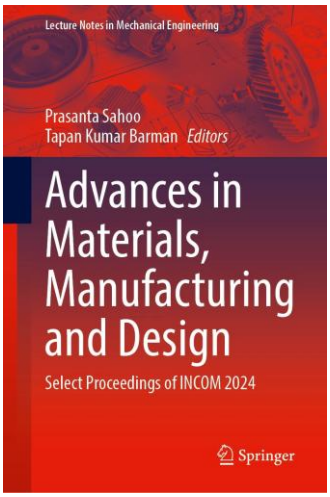
Tracks of INCOM 2026 (Sub-tracks indicative and not limited to those mentioned in the list)

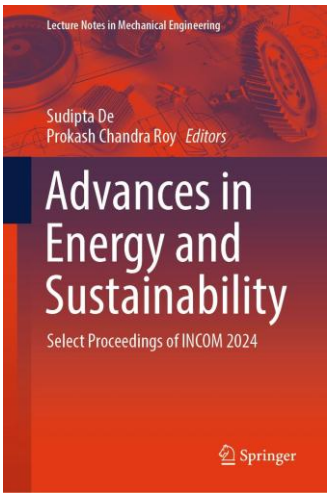
Track 10: Interdisciplinary and Other Emerging Trends in Mechanical Engineering

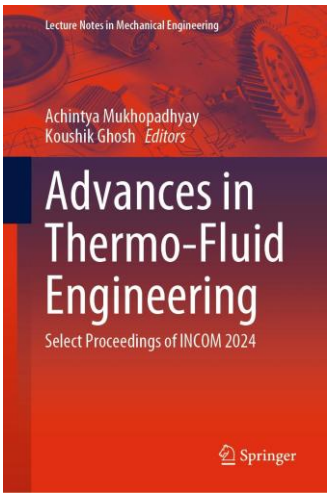
- Biomechanics, Bio-instrumentation and Bio-Inspired Mechanical Systems
- Micro-Electro-Mechanical Systems (MEMS), Nanoscale Physics and Nano-Mechanical Devices
- Measurements and Instrumentation
- Smart Wearable Technologies, Haptics and Human-Centric System
- Advanced Process Engineering and Industrial Optimization
- Water Resources Engineering, Water Purification, Desalination, and Sustainable Treatment Technologies
- Environmental Pollution Modelling, Control and Mitigation Strategies
- Membrane Science and Separation Technologies
- Smart, Autonomous, and Connected Vehicle Systems
- Computational Image Processing, Signal Processing and Machine Vision for Engineering Applications

Publications in Journals & Book Series (from INCOM 2018 & INCOM 2024)

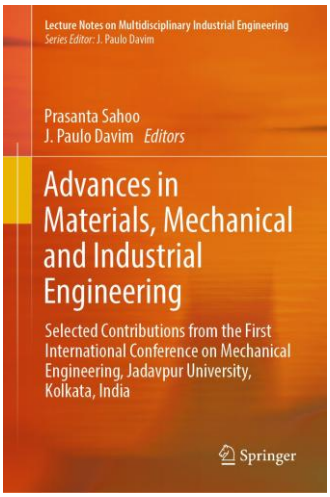
2024







2018



Selected papers from **INCOM 2018** were also published in Sadhana: Special Issue (Indian Academy of Sciences Conference Series: Volume 45) – *Springer*

Registration Fees

Registration Category	Before 31 Oct. 2025	After 31 Oct. 2025
Students (UG/PG) & Research Scholars (from India)	INR 4500	INR 5000
Foreign Students (UG/PG) & Research Scholars	USD 75	USD 100
Academicians from India	INR 7500	INR 8000
Foreign Academicians	USD 300	USD 350
Industry Personnel from India	INR 9000	INR 10000
Foreign Industry Personnel	USD 400	USD 500
Accompanying Person/Attendee/Co-author	75% of the respective category fee	

Timeline:

Submission Open	**15 February 2025**
Last date for full-length paper submission	**31 May 2025**
Last date for communication of review report	**30 June 2025**
Last date for revised/modified paper submission	**31 July 2025**
Registration open	**01 September 2025**
Last date for registration	**31 October 2025**
Conference dates	**08 – 10 January 2026**

Advisory Committee Members for INCOM 2026* (*Likely to be expanded)

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Contact: Contact us for any query regarding any aspect of INCOM 2026. Please drop a mail at: incom@jadavpuruniversity.in
Conference Website: https://www.incomju.com
University Website: https://jadavpuruniversity.in
Departmental Webpage: https://jadavpuruniversity.in/academics/mechanical-engineering

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