MADAN MOHAN MALAVIYA UNIVERSITY OF TECHNOLOGY, GORAKHPUR, (U.P.) INDIA

मदन मोहन मालवीय प्रौद्योगिकी विश्वविद्यालय, गोरखपुर, (उ.प्र.) भारत

MECHANICAL ENGINEERING DEPARTMENT

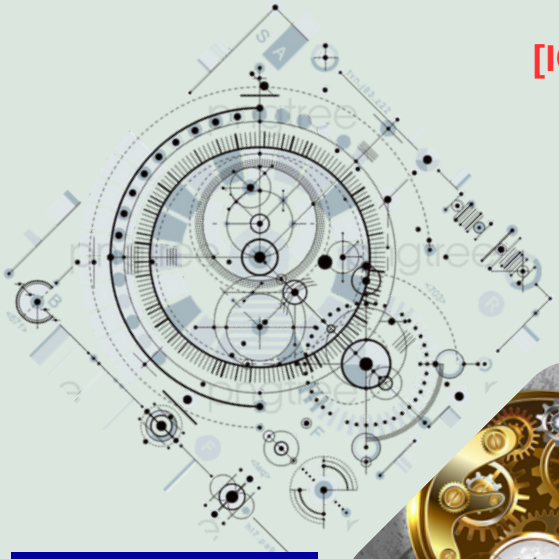
ORGANIZES

International Conference on

ADVANCED DESIGN, MANUFACTURING AND SUSTAINABLE ENERGY SYSTEMS

[ICADMSES-2026]

HYBRID MODE



Springer

ICADMSES 2026 PROCEEDING

MARCH | 12-13th | 2026

CONTACT

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About ICADMSES

The International Conference on Advanced Design, Manufacturing, and Sustainable Energy Systems (ICADMSES) is a prestigious hybrid event that unites global researchers, academicians, and industry experts to explore innovations in design, manufacturing, and sustainable energy systems. It serves as a platform to share cutting-edge research, technological advancements, and emerging trends, while fostering collaborations between academia and industry.

Hosted by the Mechanical Engineering Department at Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur. ICADMSES highlights the university's commitment towards innovation and sustainability. The conference features keynote addresses, technical sessions, and networking opportunities, making it a vital forum for knowledge exchange and professional growth in the engineering community.

ICADMSES Themes

The conference also welcomes research contributions beyond the topics listed below, encouraging innovative ideas and emerging advancements in Advanced Design, Advanced Manufacturing, and Sustainable Energy Systems.

Advanced Design

- Design for Additive Manufacturing (3D Printing)
- Advanced Computational Design and Simulation Techniques
- Structural and Functional Optimization in Engineering Design
- Product Lifecycle Management (PLM) in Product Development
- Digital Twin Technology in Design and Manufacturing
- Biomechanics and Human-Centered Design
- Sustainable Product Design and Eco-design Strategies
- Design of Smart and Autonomous Systems
- Collaborative and Distributed Design Systems
- Application of Artificial Intelligence (AI) in Design Optimization
- Innovation in Material Selection for Sustainable Designs
- Virtual Reality (VR) and Augmented Reality (AR) in Product Design
- Multi-Objective Design Optimization for Complex Systems
- Design for Reliability and Durability in Harsh Environments
- Parametric Design and Advanced CAD Tools
- Human-Machine Interaction and Ergonomics in Design
- Design and Simulation of Lightweight Structures and Materials
- Advanced Prototyping Techniques and Rapid Prototyping Systems
- Sustainability Assessment Tools in Design
- 3D Printed Materials for Design and Prototyping

Advanced Manufacturing

- Additive Manufacturing (3D Printing) Technologies and Applications
- Advanced CNC Machining and Robotics Integration
- Nanomanufacturing Techniques for Precision Engineering
- Digital Manufacturing and Industry 4.0
- Smart Manufacturing and IoT Integration
- Cyber-Physical Systems in Advanced Manufacturing
- Robotics and Automation for Manufacturing Efficiency
- Advanced Welding and Joining Technologies
- Precision Machining and Micro-manufacturing
- Sustainable Manufacturing Techniques and Green Manufacturing
- Lean Manufacturing and Six Sigma in Production Systems
- Flexible Manufacturing Systems (FMS) and Automation
- Advanced Materials Processing: Casting, Forging, and Extrusion
- Development and Characterization of Composite Materials
- Coating Materials for wear prone applications
- Hybrid Manufacturing Systems: Combining Additive and Subtractive Methods
- Artificial Intelligence in Manufacturing Process Optimization
- Process Monitoring and Control in Smart Manufacturing
- Manufacturing of Multi-Material Components
- High-Speed Machining and Advanced Cutting Tools
- Supply Chain Optimization

Sustainable Energy Systems

- Solar Energy Systems
- Wind Energy Systems
- Biomass Energy: Conversion Technologies and Applications
- Hydrogen as a Clean Energy Source
- Geothermal Energy Systems
- Energy Storage Systems: Lithium-ion, Flow, and Solid-State Batteries
- Smart Grids and Energy Management Systems
- Microgrids and Distributed Energy Systems for Localized Energy Generation
- Carbon Capture, Utilization, and Storage (CCUS) Technologies
- Waste-to-Energy Systems and Technologies
- Thermal Energy Storage and Heat Recovery Systems
- Advanced Energy Efficiency Technologies
- Electric Vehicles
- Offshore and Marine Energy Harvesting
- Energy-Efficient Buildings
- Decentralized Energy Systems for Rural and Remote Areas
- Energy Optimization and Load Balancing in Smart Cities
- Renewable Energy Integration with Existing Power Grids
- Policy and Economic Challenges in Implementing Sustainable Energy Systems
- Blockchain Technology for Energy Trading and Management

PROCEEDINGS & PUBLICATIONS

Accepted and presented papers by duly registered authors will be considered for publication in Web of Science & Scopus-indexed journals, proceedings, or book chapters. For more details, keep on visiting the conference website.

- Proceeding ICADMSES 2026: Full paper will be published in **Atlantis Press [Part of Springer Nature],** open access series **Advances in Engineering Research** [Title will be submitted to be included in Web of Science & Scopus]. For more details of indexing. **CLICK**.
- ICADMSES 2026: Abstract proceeding with ISBN number.
- **Journal of Ovonic Research** [SCIE Indexed]
- **Transactions of the KSME A** [Scopus Indexed]
- **Transactions of the KSME B** [Scopus Indexed]
- **Journal of Thermal Engineering** [Scopus & ESCI Indexed]: Yildiz Technical University Press, Regular issue.
- **Sigma Journal of Engineering and Natural Sciences** [Scopus & ESCI Indexed]: Yildiz Technical University Press, Regular issue.
- Book Chapter: "**Metal Additive Manufacturing: Advances in Materials, Manufacturing, and Processes Optimization**".Published by River [Scopus Index].
- Book Chapter: "**Next Generation Energy Materials: Inovations For a Sustainable Futures**". Published by Cambridge Scholars Publishing [Scopus Indexed].

IMPORTANT DATES

Deadline for paper submission
~~31 DECEMBER 2025~~
31 JANUARY 2026

Decision of Acceptance
15 FEBRUARY 2026

Camera ready papers & registration
28 FEBRUARY 2026

REGISTRATION FEE

The registration fee includes conference proceedings along with a conference kit, lunch, and snacks during the conference (only for offline participants). Limited accommodation will be arranged on a first-come, first-served basis. Each registered participant has to essentially present the paper.

Category	Indian Author	Foreign Author
Student/Research Scholar	Rs 7000	USD 250
Faculty/Scientist	Rs 8000	USD 300
Industry person	Rs 9000	USD 400

Note: Paper submission and registration must be completed exclusively online through the conference website: https://icadmses.com

NEAR BY PLACES TO VISIT

Kushinagar is one of the most important Buddhist pilgrimage sites in the world, where Lord Buddha is believed to have attained Mahaparinirvana (final salvation) after his death. It holds immense spiritual significance for followers of Buddhism and those interested in history and culture.

Maghar is a place of immense spiritual significance, known for being the final resting place of the renowned Indian saint and poet, Kabir Das. The site attracts followers of Kabir and those interested in exploring the spiritual and cultural heritage of India.

Chauri Chaura is a place of historical significance due to its association with the Indian freedom struggle. The Chauri Chaura incident of 1922, where a group of protesters clashed with the police, led to the suspension of the Non-Cooperation Movement by Mahatma Gandhi.

Gorakhnath Temple is one of the most prominent temples in Gorakhpur, dedicated to Saint Gorakhnath, the founder of the Nath sect.

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ABOUT MMMUT GORAKHPUR

Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur, is a premier technical university established in 2013 by the Government of Uttar Pradesh, evolving from the renowned Madan Mohan Malaviya Engineering College, founded in 1962. The university offers a wide range of undergraduate, postgraduate, and doctoral programs in engineering, management, computer applications, and pharmacy, fostering academic excellence through cutting-edge research, state-of-the-art laboratories, and distinguished faculty. Strategically located on Gorakhpur-Deoria Road, MMMUT provides a fully residential campus with modern hostel and sports facilities.

MMMUT holds a prestigious 'A' grade NAAC accreditation, ranks 26th in the India Today 2024 rankings, 60th in Engineering, 99th in Overall NIRF 2025 ranking, and is listed in the QS Asian University Rankings 2025 (901+ band). With a strong focus on innovation and sustainability, MMMUT continues to shape future leaders in technology and research.

ABOUT MECHANICAL ENGINEERING DEPARTMENT

The Mechanical Engineering Department at Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur, is one of the oldest and most prestigious departments, established in 1962. With a strong foundation in design, thermal engineering, manufacturing, and computational mechanics, the department offers B.Tech., M.Tech., and Ph.D. programs, providing students with a blend of theoretical knowledge and hands-on experience. Equipped with state-of-the-art laboratories, advanced research facilities, and experienced faculty, the department actively engages in cutting-edge research and industry collaborations. The curriculum emphasizes emerging technologies, sustainable energy systems, automation, and advanced manufacturing, preparing students for global engineering challenges. With a commitment to innovation, the department fosters an environment that encourages entrepreneurship, interdisciplinary research, and industry-driven projects, making it a hub for aspiring mechanical engineers.