



OPJU



Mechanical Engineering International Conference (MEICON 1.0) -Advancements, Innovation and Automation for Sustainability

Hybrid Mode

December 19th & 20th, 2024

Organised by

Department of Mechanical Engineering, School of Engineering,
OP Jindal University, Raigarh



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ABOUT OPJU

OPJU was established by an Act of Legislature in the state assembly of Chhattisgarh in 2014. The university is supported by Jindal Steel and Power, India's fastest growing STEEL & POWER Company. Founded by the Jindal Education and Welfare Society, OP Jindal University (OPJU) was set up to impart quality education to its students through a world class curriculum, delivered by committed faculty members through the latest teaching methodology. The multidisciplinary university aims to develop young professionals and future leaders who will not only steer the growth and development in India, but also make a mark globally. At the core of the university's philosophy and approach lies the belief that students learn best when exposed to real world situations and when nurtured through enriching interactions with practitioners and industry leaders.

ABOUT DEPARTMENT OF MECHANICAL ENGINEERING

The Mechanical Engineering Department under the School of Engineering at OP Jindal University (OPJU) is one of the major departments in terms of faculty members, students, and activities. It continues to lead and expand its activities in various directions. The Department has well-qualified faculties from prestigious institutions who are experts in various domains of Mechanical Engineering. The department offers academic programs leading to Diploma in Mechanical Engineering, B. Tech Mechanical Engineering with specializations in Robotics & AI and Mechatronics & Automation, M. Tech Power plant & Energy Management, Manufacturing Technology and Automation and Ph.D. degrees. With strategic location and strong industrial partnerships, the department has a remarkable track record of placing its students in globally renowned companies at lucrative pay packages.

ABOUT THE CONFERENCE

Mechanical Engineering Department at OP Jindal University, invites delegates from academia and industry to be a part of the Mechanical Engineering International Conference 1.0 (MEICON 1.0). The conference aims to bring together leading academic scientists, researchers, scholars, and industry experts to exchange and share their experiences and research work in the field of Mechanical Engineering. It is aimed at providing interdisciplinary forum for researchers, practitioners, and educators to present and discuss the most recent innovations, trends, concerns, practical challenges, encountered, and the solution adopted in their respective fields. The conference will have oral presentations from delegates from academia, R&D organizations, and Industries. Student delegates (Ph.D., Master's, and Bachelor's) will be given an opportunity to present their work in the form of oral/poster presentations. Certificates of excellence and appreciation will be awarded for the best poster, oral presentation and idea.

OBJECTIVES OF THE CONFERENCE

- To Bring together academicians, researchers, industrialists, and stakeholders across the world on a common platform to present their findings related to research and development in the areas of Mechanical Engineering
- To Provide an opportunity for the participants to share their knowledge, interact with the experts of these areas, and focus on the recent advancement as well as future outlook in Mechanical Engineering.
- To stimulate the analytical skills in the core and non-core domain of the participants.
- To Provide the pool of inventive wisdom and concepts to engrave its forte.
- To Provide a bridge to all participants for association and alliance in future research activities.
- To furnish a forum for conferring the further developments and demands in the industry.

TARGET PARTICIPANTS

MEICON 1.0 is open to all academicians, industry personal and executives, policy makers, consultants, scholars, social workers and research and development community concerned with Mechanical Engineering and technology.

CONFERENCE TIMELINE

Last date for submission of Full-length paper	30 Nov, 2024
Intimation of acceptance of papers starts	01 Sep, 2024
Submission of Camera-ready papers	10 Dec, 2024
Early bird registration	25 Oct, 2024
Registration last date	05 Dec, 2024
Conference date	19-20 Dec, 2024

- ★ You are cordially invited to submit your Full Length Paper to www.meicon.opju.ac.in All the accepted paper of the conference will be published in the Scopus indexed journal/Conference Proceedings.
- ★ Maximum Length of each article (in pages and words) 8 Pages & 2000 Words

CONFERENCE TRACKS

Track 1 Thermal Engineering

- Heat Transfer, and Fluid Mechanics
- Simulation of Thermal Systems
- HVAC & R
- Thermal Power Plants
- Automobile & I C Engine
- Fuell Cell Technology
- CFD of Thermal Systems
- Fluid Flow

Track 2 Robotics, Automation & Mechatronics

- Artificial Intelligence
- Automation Tools & Technologies
- Control and Mechatronic Systems
- Machine Automation Technology
- Robotics and Applications
- Path Planning
- Optimization Techniques
- Applications/Case Studies

Track 3 Materials & Intelligent Manufacturing

- Conventional Machining
- UN Conventional Machining
- Micro and Nano Manufacturing
- Advances in Manufacturing Processes
- Composite Materials, Powder Metallurgy
- Nano Materials Processing
- Materials Characterization
- Automation in Manufacturing
- FMS, Additive Manufacturing
- Rapid Prototyping, CIM

Track 4 Innovative Product Design

- Tribology
- Noise, Vibration and Harshness
- Fracture Mechanics
- FEM/FEA
- CAD/CAM/CAE
- Simulation and Modelling
- Composite Structures
- Dynamics of Mechanical Systems
- AI & ML Application in Design
- Applied Mechanics

Track 5 Industrial Engineering

- Project Management
- Reliability and Maintenance
- Concurrent Engineering
- Inventory & Quality Management
- Lean Manufacturing and Six Sigma
- Supply Chain Management
- Human Factor Engineering
- Operations Research
- Decision Making and Optimization

Track 6 Sustainable Solution for Smart Living

- Water Reuse and Management
- Building Management Systems
- Smart Buildings
- Smart Transportation Systems
- Community Heating/Cooling Systems
- Resource & Energy Management
- Solar Rooftop PV and Thermal Energy
- E-waste and Waste Management
- Pollution Management and Control

REGISTRATION FEE

Registration Fee for Participation Only				Registration with Publication Fee				
	Early Bird Registration		Registration		Early Bird Registration		Registration	
UG/PG/ Research scholars	₹ 2,500/-	\$ 75	₹ 3000/-	\$ 85	₹ 7,500/-	\$ 125	₹ 8,000/-	\$ 150
Academicians/ Researchers	₹ 3,500/-	\$ 85	₹ 4000/-	\$ 100	₹ 8,500/-	\$ 175	₹ 9,000/-	\$ 200
Industry Personnel	₹ 4,500/-	\$ 105	₹ 5000/-	\$ 120	₹ 9,500/-	\$ 225	₹ 10000/-	\$ 250

Account Details

A/C Name : O.P. Jindal University
A/C No : 50200054124691
RTGS/NEFT IFSC : HDFC0001454
MICR : 496240002
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UPI ID : raigarhopju@sbi

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Silver Sponsor
INR 50,000.00, 2 free delegate pass.

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INR 25,000.00, 1 free delegate pass.

★ The Fee includes the Registration kit, Lunch and Coffee/Tea during the Conference.

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Dr. Jitesh Singh
Assistant Professor



OPJU

Organised By:

OP Jindal University

OP Jindal Knowledge Park Punjipathra, Raigarh - 496109 (C.G.)



(+91) 9798153911, 9109977042



mithilesh.sahu@opju.ac.in
laxminarayan@opju.ac.in



www.meicon.opju.ac.in