



International Conference on

Innovations in Fluid Power: Shaping the Future of Mobile and Industrial Machinery IFP'26

23rd-24th January 2026 | IIT (ISM) Dhanbad, Jharkhand, India

Organized by Department of Mechanical Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand (India) - 826004
in Association with Fluid Power Society of India (FPSI)

About the Conference

The International Conference on Innovations in Fluid Power: Shaping the Future of Mobile and Industrial Machinery (IFP'26) serves as a premier platform to explore ground-breaking advancements and foster discussions around the transformative role of fluid power in modern engineering. Scheduled to bring together industry leaders, academicians, researchers, and practitioners, IFP'26 aims to spotlight cutting-edge innovations that drive efficiency, sustainability, and performance across mobile and industrial machinery sectors. Fluid power technology has long been integral to various industries, from mining machinery, and agricultural machinery to aerospace and manufacturing systems. However, with the emergence of Industry 4.0, electrification, and the global emphasis on sustainability, the domain is undergoing a paradigm shift. This conference seeks to address these challenges and opportunities by focusing on pivotal topics such as:

- **Energy Efficiency and Sustainability**
- **Digital Transformation**
- **Advanced Materials and Manufacturing**
- **Hybrid and Electro-Hydraulic Systems**
- **Safety, Ergonomics, and Human Factors**
- **Condition Monitoring and Fault Management**

Thematic Areas

The conference focuses on emerging innovations and research in fluid power systems, targeting both mobile and industrial applications. The thematic coverage includes but is not limited to:

1. **Innovations and Advancements in Fluid Power Technologies**
2. **Fluid Power in Mobile and Aerospace Machinery**
3. **Industrial Fluid Power Systems and Automation**
4. **Hydraulic and Pneumatic Components**
5. **Tribology and Wear in Fluid Power Systems**
6. **Simulation, Modeling, and Computational Approaches**
7. **Sustainable and Environment-Friendly Fluid Power**
8. **Artificial Intelligence and Digitalization in Fluid Power**
9. **Future Directions and Cross-Disciplinary Innovations**
10. **Electrical and Electronic Integration in Fluid Power Systems**
11. **Diagnosis and Prognosis of Fluid Power Components and Systems**

Important Dates

Abstract Submission Deadline	30 th June 2025
Full Paper Submission Deadline	30 th August 2025
Notification of Acceptance	30 th September 2025
Early Bird Registration Deadline	15 th October 2025
Final Registration Deadline	15 th November 2025

- Abstracts: Maximum 250 words, highlighting the aim, methodology, and outcomes of the research with 4-5 keywords.
- Full Papers: Maximum 6-8 pages, including references, following the format attached.
- Plagiarism must be less than 10% and plagiarism report from Turnitin or iThenticate must be submitted along with the full paper.
- Accepted papers will be presented during the conference, and selected papers will be published in the conference proceedings and indexed in reputed databases.
- Paper Submission Link:

About IIT (ISM) Dhanbad



Indian Institute of Technology (Indian School of Mines), Dhanbad formerly Indian School of Mines (ISM), was setup by the Government of India and formally inaugurated by on 9th December 1926, by Lord Irwin, the then Viceroy of India on the model of Royal School of Mines, London. ISM was granted autonomy and became a deemed university in the year 1956. In 1996, the institute came under financial and administrative control of MHRD. In the year 1997, ISM was affiliated to IIT (JEE) for admission to its undergraduate courses. Indian School of Mines was converted to Indian Institute of Technology (Indian School of Mines), Dhanbad in the year 2016.

Situated in the heart of the country's prime coking coal belt, 260 kms from Kolkata with a campus spread over an area of 393 acres, (with 218 acres of existing campus and 175 acres under acquisition and development) the fully residential IIT (ISM) has all the facilities of world class academic institute. What started as an institution to impart mining education has graduated into a full-fledged technical institution of international acclaim offering a host of programmes like B. Tech, M. Tech, M. Sc. Tech, and MBA.

Registration Fees

Category	INDIAN DELEGATES		FOREIGN DELEGATES	
	Early Bird Reg. (Until 15 th Oct. 2025)	Regular Reg. (After 15 th Oct. 2025)	Early Bird Reg. (Until 15 th Oct. 2025)	Regular Reg. (After 15 th Oct. 2025)
Industry Delegates	₹10,000	₹12,000	\$300	\$500
Academicians/Researchers			\$250	\$450
Faculty	₹8,000	₹10,000	\$250	\$400
Post-Doctoral Fellow	₹6,000	₹8,000	\$250	\$400
Students	PG and PhD	₹5,000	\$150	\$300
	UG	₹1,500		

The registration fee covers access to all conference sessions, conference materials, refreshments, and the networking lunch & dinner.

Accommodation and Travel

Accommodation: IIT (ISM) Dhanbad offers on-campus accommodation for delegates on First cum First serve basis. A list of recommended hotels near the conference venue will also be provided.

Travel: Dhanbad is well-connected by rail and road. The nearest airport is Durgapur Airport (98 km), while Ranchi Airport is approximately 160 km away. The conference committee will assist with travel arrangements upon request.

Venue

The conference will be hosted at IIT(ISM) Dhanbad, one of India's premier institutions for mining and mechanical engineering education and research. The state-of-the-art facilities and vibrant academic environment will provide the perfect backdrop for an engaging and productive conference.



<https://cmt3.research.microsoft.com/IFP2026>

About the Department of Mechanical Engineering

The Department of Mechanical Engineering started the journey in 1999, and successfully completed 26 years with excellence. Presently, the department is the largest in the institute having 47 faculty members. The department offers two UG courses, one in Mechanical Engineering and another in Mining Machinery Engineering. Faculty members of the department have guided more than 300 PhD students so far. The UG and PG students are working with the faculties in the field of Fluid Power Systems and Control, Mining Machinery, Control Systems, AI/ML, Vibration and Acoustics, Robotics, Renewable Energy, Maintenance and Tribology, Refrigeration, CFD, Fluid-structure Interactions, Turbomachinery, Manufacturing Technology along with conventional thermal engineering and machine design. Students of the department are associated with FPSI, Robotics Club, Smart Manufacturing, ASME students' chapter and other professional bodies. The UG and PG students of the department are associated with several national and international research and consultancy projects funded by several agencies and industries. Also, a good number of them complete their research internships abroad.

Sponsorship Opportunities

Organizations and industry leaders are invited to partner with us as sponsors for this prestigious event. Sponsorship will provide excellent visibility and engagement opportunities with leading professionals and experts in fluid power globally.

Advertisements in Souvenir

A Souvenir will be brought out and circulated widely during Conference. Advertisements for the Souvenir are invited from organization as per following rates.

Back Cover (Colour)	Inside Front Cover (Colour)	Inside Back Cover (Colour)	Inside Full Page (Colour)	Inside Full Page (BW)
₹ 1,00,000/-	₹ 75,000/-	₹ 50,000/-	₹ 50,000/-	₹ 20,000/-

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CONTACT US

For any queries related to the conference, paper submission, or sponsorship opportunities, please contact:

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