

3rd International Conference

on

Thermo - Fluid & System Design



ICTFSD - 2026

AUGUST 6-7, 2026

HYBRID MODE

**Multidisciplinary
platform featuring
keynote lectures
and industry
interactions**

**Department of Mechanical Engineering,
Birla Institute of Technology,
Mesra, Ranchi-835215, Jharkhand.**



Visit for details: <https://conference.bitmesra.ac.in/ictfsd2026/Home>

About 3rd ICTFSD 2026

The Department of Mechanical Engineering at Birla Institute of Technology, Mesra, Ranchi (India) is organizing the 3rd International Conference on *Thermo-Fluids and System Design* ([ICTFSD 2026](#)) from **06 – 07 August 2026**. The conference is multidisciplinary that will serve as a platform to exchange innovative ideas, and experiences among the participants from around the globe. The eminent experts from the top universities will deliver (keynote) lectures covering the broader scope that would be beneficial for the participants from academics, industry (including R&D), and scientists from various organizations. 3rd ICTFSD 2026 covers a broad spectrum related to fluid flow, heat transfer, robotics, mechanical design and process optimization in science and engineering.

The entire conference will be held in **hybrid mode**.

Publications

All presented papers (maximum 4 pages) will be published as conference proceedings with an ISBN number as a book volume by BIT Mesra.

Extended versions of the shortlisted papers will be published in reputed conference proceedings/journals indexed in SCOPUS/WoS (to be announced).

Note: Additional charges may be applied in case the conference proceedings publication involves an APC (Article Processing Charge)

Key Features

- ❖ A common platform for Academia-Industry people to participate and interact from all over the world
- ❖ Keynote lectures on Thermal Engineering, Fluid Dynamics, Mechanical Design, Robotics and Energy Engineering from eminent speakers from around the globe
- ❖ Papers submitted would be peer-reviewed by international as well as national scientific communities to ensure high-quality papers.

Who Should Attend?

- ❖ People from Academics (Universities/ Institutes)
- ❖ Research Scholars, Scientists and Researchers from different Organizations
- ❖ Members of various professional bodies, manufacturers, plant owners, operators, etc.
- ❖ Flow Analysts, Material Experts and Design Engineers

Conference Theme

We welcome original and unpublished work in the field of (but not limited to):

1. Heat Transfer & Thermal Engineering
2. Fluid Mechanics & Computational Fluid Dynamics (CFD)
3. Thermo-Fluid Systems & System Design

4. Mechanical & Thermal System Design
5. Product Design & Engineering Design Methods
6. Energy Systems & Sustainable Design
7. Artificial Intelligence, Optimization & Robotics in Engineering Systems
8. Design Optimization, Modelling & Simulation
9. Mechatronics & Smart System Design
10. Emerging Technologies & Interdisciplinary Applications
11. Advanced Materials
12. Tribology and Design
13. Energy Engineering of High-Rise Building
14. Daylighting
15. Smart Building Structure
16. Equipment of Heating Ventilation and Air conditioning for Building
17. Renewable Energy System for Building
18. Energy Harvesting for Building and Cities

Benefits of Attending

- Enhanced awareness of recent trends and advancements in Thermo-Fluid Systems, System Design, and Material Selection.
- Opportunities to interact, collaborate, and build professional networks with the global scientific community.
- Publication opportunities in reputed conference proceedings and international journals.

Important Dates:

Paper submission deadline	6th July 2026
Acceptance notification	15th July 2026
Registration Starts	19th April 2026
Registration Ends	20th July 2026

Kindly refer to the [website](#) for all relevant updates.

Organizing Committee

Patron: Prof. Indranil Manna, VC, BIT, Mesra

Chief Convener: Prof. Anil Kumar (DTU Delhi)

Convener: Dr. Sushanta Ghuku, and Dr. Lakhbir Singh Brar

Organizing Secretary: Dr. Arkadeb Mukhopadhyay, Dr. Om Prakash, Dr. Abhishek Kumar Kashyap, Dr. Ankur Chattopadhyay

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Dr Amin Baloch	FOE&A, Balochistan University of Information Technology and Management Sciences, Quetta, PK.
Dr. Sumate Chaiprapat	Prince of Songkla University Hat Yai, Songkhla, Thailand- 90112.

National

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Dr. S. K Dash	Professor, IIT Kharagpur
Dr. Prashant Baredar	Professor, NIT Bhopal
Dr. Om Prakash	Professor, NIT Patna
Dr. J. L. Bhagoria	Professor, NIT Bhopal
Dr. Kalyan Kumar Singh	Associate Professor, IIT (ISM) Dhanbad
Dr. P. P. Tripathy	Associate Professor, IIT Kharagpur
Dr. Om Prakash Singh	Associate Professor, IIT BHU
Dr. Shobhana Singh	Assistant Professor, IIT Jodhpur

About the Department

Since its inception in 1955, the Department of Mechanical Engineering has a wide reputation for the quality of teaching and research it offers. It has been awarded top grades for both teaching and research activities from independent and government bodies. The excellent laboratory facilities, modern computer clusters, systematically designed curriculum, and dedicated faculty members make this Department a dynamic place to study. Today the department is recognized as one of the leading departments in its domain with infrastructure and facilities to match the very best in the country. Mechanical Engineering Graduates from BIT Mesra are sought after by many prestigious companies. There is also an excellent careers center on campus, which helps the students to get entry into multinational companies. The department is also **DST-FIST**

supported and presently several funded projects are ongoing. For further details on the courses offered, kindly visit the Departmental website [here](#).

About the Institute

The Birla Institute of Technology (BIT), Mesra, Ranchi was founded by the Philanthropist, Industrialist Mr. B.M. Birla, in the year 1955, as part of his lifelong commitment towards building a technologically advanced and industrially strong India. The achievements of the Institute, both in terms of research and excellent standards of academic programs led to its attaining the status of a Deemed University under the UGC Act of the Government of India, in 1986, and one of the top Technical Institutes of the country today. BIT offers undergraduate, postgraduate as well as doctoral-level programs in all major branches of engineering and technology, architecture, pharmaceutical sciences as well as management. The Institute has laterally expanded through the establishment of several extension centers, both in India and abroad.

Registration

Participants are requested to submit their manuscripts in one of the mentioned categories. Please note that registration must be completed only after the paper is accepted by the conference committee. Email correspondence will be done to the corresponding authors after receiving reviewer comments of their manuscripts.

After online payment of registration fee as applicable for different categories given in the following table through the respective payment links given below, [Click here to register online](#)

Delegate category	Registration category	Registration Fee
Students and Academicians (Indian Nationals)	Registration till 20 th July, 2026	Rs 4500/-
Industry Personnel (Indian Nationals)	Registration till 20 th July, 2026	Rs 8000/-
Foreign Participants	Registration till 20 th July, 2026	USD 90/-

Note: Additional charges shall be applied for the selected papers to be published in the mentioned journals (only for the journals where Article Processing Charge (APC) is applicable).

The registration fee is inclusive of the GST. The registration shall be compulsory for all presenters and participants in respective categories for which, form should be filled online as given link above.

Registration fee (Indian participants) should be paid online via [SBI Collect](#): Educational Institutions→ Jharkhand→ Birla Institute of Technology→ (Appropriate choice of registration for ICTFSD2026).

Foreign participants should submit their fee through online bank transfer as per the details mentioned [here](#). Please note that the transaction should only be made via **Swift or Wire**

transfer and the copy of the transaction be uploaded in the registration form and also emailed to us at ictfsdmec2026@bitmesra.ac.in.

Contact us:

You can reach us by communicating through mail id "ictfsdmec2026@bitmesra.ac.in" or can text/call to Organizing Secretaries/Convener:

For queries related to the papers submitted in various Tracks/Category, the following persons may be contacted:

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