

International Conference Composites: Design, Processing, Manufacturing and Health Monitoring

(20 June 2024 to 21 June 2024)



Overview

Composite materials have large scale commercial applications in marine applications, aerospace, automotive, boating, defense, sporting goods, infrastructure, energy storage, biomedical etc. In the recent years, the development of new and improved composites has caused unlimited product development opportunities. This conference will provide a platform to young researchers to present their ideas and learn from the eminent scientists from the globe. The deliberations in conference will be in terms of oral as well as poster presentations. Besides this there will be keynote lectures by the leading experts in the field. **Selected papers from the conference will be published in Scopus indexed Springer journal.** The conference will cover following broad areas, but not limited to:

- Additive manufacturing for composites
- Advanced manufacturing for composites
- Beam, Plate and Shell Theories
- Computational modelling of composite structures and materials
- Composite structures and materials
- Composite for bio-medical applications
- Composites for next generation electric-vehicles/drones
- Composites for space and aero-space applications
- Composites for marine applications
- Composites for renewable energy
- Composites for structural battery applications
- Composites for tribological applications
- Design and applications of composites
- Delamination, damage, fracture, failure, Fatigue and durability of composites
- Dynamics of composite structures
- Experimental Methods for composites
- Flame retardant composites
- FRP reinforced structures
- Functionally graded and porous composite structures
- Health monitoring and inspection techniques for composite structures
- Impact mechanics for composites
- Joints and Adhesion in composites
- Machining of composites
- Multi-scale analysis of composites
- Natural fibre composites and bio-inspired design of composites
- Optimization techniques and methods in composites
- Probabilistic models for composites
- Smart composites and structures
- Thermal problems on composite materials and structures
- Sustainable and recycling of composites

Contact Us

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Submission Guidelines & Important Dates

Authors may submit one page abstract or/and full length paper to the conference through easy chair, before the deadline. Author may submit only one page abstract for the oral presentation in the conference OR they may submit abstract and further full length paper for conference presentation and proceedings. The selected papers would be submitted to Scopus indexed Springer journal (Lecture Notes in Mechanical Engineering).

- **Abstract / Full length paper submission deadline: 15-February-2024**
- **Notification of Acceptance of abstract / full length Paper: 29-February-2024**
- Last date of full length camera-ready paper submission: 15-April-2024
- Last date of payment of registration fee: 15-April-2024
- Conference Date: **20 June 2024 to 21 June 2024**

Any change in the last date will be indicated on the website

About IIT Mandi

Indian Institute of Technology Mandi or IIT Mandi is located at an average altitude of 3000 feet above sea level in the scenic forested Himalayan mountains along the banks of the river Uhl, a tributary of River Beas. IIT Mandi is an autonomous premier engineering and technology institute located in Kamand valley, Mandi, Himachal Pradesh. The institute was established in 2009 by the Ministry of Human Resource Development, Government of India. The focus of IIT Mandi is to spearhead cutting edge research and development of technologies needed by the world in the years to come. Research groups work together in creating and harnessing the newest technologies needed to serve the people of the region and the country, and to tackle problems of global importance.

Registration

At least one author of each accepted paper/abstract must register in order for the submitted work to be included in the proceedings. **Registration Fees includes access to technical sessions, hostel accommodation, food (breakfast, lunch, snacks, conference refreshment and dinner) during conference days, conference gala-dinner, and registration kit:**

- **Student Participants : ₹ 7,080/- (Including GST)**
- **Delegates from Academia: ₹ 11,800/- (Including GST)**
- **Accompany person: ₹ 5,900/- (Including GST)**
- **Participants from Industry/Research Lab: ₹ 14,160/- (Including GST)**
- **Participants from Abroad: \$ 200 (Including GST)**

Guest house accommodation will be booked on payment basis as per the institute norms. Detailed information related to guest house booking will be updated on the conference webpage.



[Conference Webpage](#)



[Abstract Template](#)



[Submission Link](#)