



National Conference on Advances in Finite Element Methods & Parallel Scientific Computing



28th November - 2nd December, 2026

Indian Institute of Technology Bhubaneswar, Odisha

About the Conference

This conference is dedicated to exploring the latest advancements in two interconnected pillars of modern computational science: Finite Element Methods (FEM) and Parallel Scientific Computing. These fields form the backbone of engineering and scientific simulation, enabling the solution of complex problems in areas as diverse as aerospace, energy, climate modeling.

The conference will bring together leading researchers and experts to discuss cutting-edge topics including high-order and adaptive finite element methods, domain decomposition algorithms, and scalable preconditioners for high-performance computing architectures. A key focus will be on addressing the challenges of multiphysics problems and developing robust solvers that can efficiently leverage India's growing HPC infrastructure.

Target Audience: Research scholars. Post-doc fellows, faculty members of College/University/Institute, entrepreneurs and industrial persons, engineering students.

Conference Tracks

- High-order finite element methods (hp-FEM)
- Hybridized discontinuous Galerkin (HDG)
- Adaptive finite element methods (AFEM)
- Domain decomposition methods (DDM)
- Parallel preconditioners and iterative solvers
- Scalable scientific computing on HPC architectures
- Finite element methods for multiphysics problems
- Applications in fluid dynamics and plasma physics

Registration Details

Deadline of Registration for the Contributed Talks: 10th August

Confirmation of Registration: 14th August, 2026

Registration Fee: Free

(Food and other Conference essentials will be provided)

Scan the QR code to Register:



Invited Speakers

Prof. Rajen Kumar Sinha	IIT Guwahati
Prof. Neela Nataraj	IIT Bombay
Prof. Sarvesh Kumar	IIST Thiruvananthapuram
Prof. Bhupen Deka	IIT Guwahati
Prof. Rajendra Kumar Ray	IIT Mandi
Dr. Asha Dond	IISER Thiruvananthapuram
Dr. Arbaz Khan	IIT Roorkee
Dr. Abhinav Jha	IIT Gandhinagar
Dr. Pratibhamoy Das	IIT Patna
Dr. Suryanarayan Maharana	IIT BHU
Dr. Nagaiah Chamakuri	IISER Thiruvananthapuram
Dr. Sangita Yadav	BITS Pilani

and more to reveal ...

About IIT Bhubaneswar

IIT Bhubaneswar is an Institute of National Importance that has rapidly advanced toward becoming one of India's premier technical universities, after coming into existence in 2008 as a 2nd generation IIT.

IIT Bhubaneswar offers a dynamic, interdisciplinary academic environment across its various Schools, including the School of Basic Sciences, School of Electrical and Computer Sciences, School of Infrastructure, and School of Mechanical Sciences, among others. The academic programs are designed to encourage creativity, innovation, and a spirit of research, preparing students to tackle real-world challenges with a strong sense of social responsibility. The institute also fosters productive partnerships between industry and academia.

Spread over a sprawling 936-acre campus at the foot of the historic Barunei hillock in Argul, the institute provides a serene and intellectually stimulating environment for learning and research.

Organizing Committee

Chief Patron:

Prof. Shreepad Karmalkar, Director, IIT Bhubaneswar

Convener: Bankim Chandra Mandal, IIT Bhubaneswar

Co-convener: Sanjib Kumar Acharya, ICT-IOC Bhubaneswar

Organisers:

- Prof. TVS Sekhar, IIT Bhubaneswar
- Dr. Sunil Prajapati, IIT Bhubaneswar
- Dr. Abhijit Sutradhar, KIIT Bhubaneswar
- Dr. Apul N. Dev, SOA-ITER Bhubaneswar
- Dr. Ashish Adak, ICT-IOC Bhubaneswar
- Prof. Ambit Kumar Pany, IMA Bhubaneswar

Local Organising Committee:

- Head of the Department, Mathematics, IIT Bhubaneswar
- Faculty Members of Mathematics, IIT Bhubaneswar
- Research Scholars of Mathematics, IIT Bhubaneswar

Important Information

- Participants are either Invited or Contributing Speakers.
- Due to limited budget, the Speakers for the Contributed talks will be hand-picked among the total registered entries.
- Food will be arranged for all participants.
- Accommodation will be reserved on payment basis.
- There is no Conference Proceeding, but the conference consists of only invited and contributed talks.
- For more information, refer to the Conference Website: <https://acharya2357.github.io/AFEMPSC2026>

The conference is supported by the **National Board of Higher Mathematics (NBHM)**.

Contact Details

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