

National Organizing Committee

Prof. Indranil Manna, VC, BIT, Patron
Dr. Priyank Kumar, BIT, Chairman
Prof. Sudip Das, BIT
Mr. Satya Prakash, ADA
Ms. Valliammai Somasundaram, ADA
Mr. Muralidhar Madhusudan, ADA
Mr. S. Jawahar, ADA
Dr. Prakash S. Kulkarni, IISc
Dr. R. Krishnamurthy, DRDL
Dr. V. Ramesh, CSIR-NAL
Prof. Sanjay Mittal, IITK
Prof. K.P. Sinhamahapatra, IITKGP
Prof. Prabhu Ramachandran, IITB
Dr. K. Anandhanarayanan, DRDL
Mr. G. Sivaramakrishna, GTRE
Mr. K. Selvaraj, ADE
Mr. Vinod Kumar, VSSC
Prof. Mahesh M. S., IITH
Prof. Santanu Ghosh, IITM
Mr. V.V.S. Narayan, HAL
Mr. Lalan Singh, ANSYS
Mr. Hari Prasad, Cadence

Local Organizing Committee

Dr. A. Sharon, BIT
Dr. C. Jeganathan, BIT
Dr. B. Karn, BIT
Dr. Rajiv Kumar, BIT
Dr. Shelly Biswas, BIT
Dr. P. Mondal, BIT
Dr. S. Y. Jejurkar, BIT

Contact Us

Dr. Priyank Kumar, Chairman, AeSI CFD 2024
Phone : +91-8210737514
Email : aesicfd2024@bitmesra.ac.in
aesicfd2024@gmail.com
Website : <https://bitmesra.ac.in/aesicfd2024>
Registration Link: <https://forms.gle/gZxrfP3bbmLifjm8A>

Registration Details

Registration fee :

Working Professionals : Rs. 7000/-
(Industry/ Academia)
Student (UG/PG/ PhD) : Rs. 3000/-

Account Details :

Account number: 10406839951
Account name:
AERONAUTICAL SOCIETY OF INDIA CFD DIVISION
Bank: State Bank of India
Branch: C V Raman Nagar
IFSC: SBIN0003994

Sponsorship Details

Platinum Sponsor: (Rs. 3,00,000/-excluding GST):

- 1.10 complimentary registrations
2. An exhibition stall
3. Display of sponsor logo in event halls and book of abstracts

Gold Sponsor: (Rs. 2,00,000/-excluding GST):

1. 5 complimentary registrations
2. An exhibition stall
3. Display of sponsor logo in event halls and book of abstracts

Silver Sponsor: (Rs. 1,00,000/-excluding GST):

1. 3 complimentary registrations
2. Display of sponsor logo in event halls and book of abstracts

GSTIN: 29AAATT0716E3ZN

About the Symposium

The **CFD Symposium** is the annual event of the AeSI CFD Division. This serves as a platform to share accumulated knowledge of all major aerospace design houses, academia and industry. Contributory papers in the field of CFD are invited.

Important Dates

Submission of extended abstract : 30.04.2024
Notification of acceptance : 15.05.2024
Submission of final paper : 31.05.2024
Last date of registration : 30.06.2024

Selected papers will be considered for publication in reputed journals. Details will be made available on the website shortly.

Annual AeSI CFD Symposium (AeSI CFD 2024)

11th to 13th August 2024

Organized by

Department of Space Engg. & Rocketry
Birla Institute of Technology



jointly with

Aeronautical Society of India
CFD Division



The Aeronautical Society of India

This was founded in 1948 with the objective of advancing technology and diffusing knowledge in the field of aeronautical sciences and aircraft engineering. For over 75 years it has worked towards this goal through various programmes/events. It is a professional body with its head office in New Delhi. It has 19 branches spread across the country and, in addition, has 2 two special centers - CFD Division & Design Division – based in Bangalore.

AeSI CFD Division

AeSI formed the CFD Division in 1998 with a view of promoting research and development in industrial, academic and commercial areas of CFD. The division is based in Bangalore but has reached out nationwide by organizing conferences/ symposia/ workshops/ talks/ classes in the field of CFD, every year. For over 25 years, the division has spread awareness and also has succeeded in getting even the sceptics to explore and utilize the power of CFD in design/analysis.

About Ranchi

Ranchi, the capital of Jharkhand state, is situated at an altitude of 651 meters above sea level. The temperature varies from 30 degC max to 23 degC min in the month of August. Ranchi is well connected by Air, Road and Rail mode from all the major cities of India.

Birla Institute of Technology

Established in 1955 by the visionary industrialist Mr. BM Birla, BIT Mesra was founded with a clear vision to offer its young minds a space, where their imagination could take wings and their ideas fruition. The Institute has currently 18 academic departments and 2 centers. It has successfully conceived and implemented initiatives that have culminated in many firsts:

- First technical institution to establish a Department of Space Engineering & Rocketry way back in 1964
- First to establish static rocket test firing facility
- Initiated the concept of Science & Technology Entrepreneurs Park (BIT-STEP) well before it was adopted as a national model
- First institution to be granted autonomous status in 1972 under UGC Act

Including the off campuses, BIT Mesra has around 10,000 students

Department of Space Engg. & Rocketry

The Department is first of its kind in the country, was established in 1964 to train scientists and engineers in the important areas of Aerospace Engineering and Rocket Technologies. Since inception, the Department is offering postgraduate degree course leading to PhD/MTech in Aerospace Engineering with in-depth specialization in two specific areas namely Aerodynamics and Rocket Propulsion. The *Rocket Propulsion Labs* have the facility for Solid, Liquid and

Hybrid Rocket Testing including propellant characterization equipment. The *Aerodynamics Lab* has the facility of free jets, subsonic and supersonic wind tunnels, shock tubes and shock tunnels to cater the need of the Doctoral/ PG students. In past 60 years of existence, the Department produced several eminent alumni in the field of Aerospace and Rocket Technologies. The Department have had several sponsored research projects from ISRO, DRDO, CSIR, DST and others. At present around 6 sponsored projects worth 350.00 lakhs is ongoing in the Department.

Accommodation

Limited accommodations are available in the guest house of BIT Mesra. Hostel facility will be made available for the students on a payment basis.

Scope of Symposium

- Algorithm and Numerical scheme
- Mesh free & Cartesian methods
- Grid generation & adaptation
- Convergence acceleration
- High performance parallel computing
- Turbomachinery & Internal Flows
- High speed flows
- Unsteady flows: URANS, DES, LES & DNS
- AI & ML in Turbulence modelling
- Emerging areas of CFD
- Design & Optimization: CFD in MDO
- Industrial CFD - Metallurgy, Biofluids, & others
- CFD for experimental setup