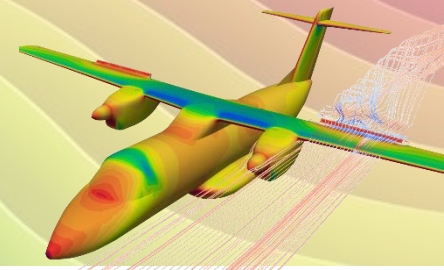




# 14<sup>th</sup> Asian Computational Fluid Dynamics Conference

30<sup>th</sup> Oct – 2<sup>nd</sup> Nov 2023, HAL Management Academy, Bengaluru, India



## About Asian CFD Conference

- The Asian CFD(ACFD) conference is a prestigious international CFD event held once in two years.
- The first ACFD was held in Hong Kong, in 1995 for the purpose of facilitating scientific and technical cooperation in CFD field among Asian countries.
- Conferences in the series were held in Japan (1996), India (1998), China (2002), Korea (2004), Taiwan (2006), India (2007), HongKong (2010), China (2012), Korea (2014), China (2016), Taiwan (2018) and Korea (2022).

## ACFD 2023 – Important Dates

Call for papers	:	03 February	2023
Abstract submission ( <b>Extended</b> )	:	<del>15 May 2023</del>	<b>15 June 2023</b>
Notification of acceptance ( <b>Extended</b> )	:	<del>15 June 2023</del>	<b>15 July 2023</b>
Early bird registration	:	15 August	2023
Last date for registration	:	01 October	2023

## About Bengaluru

At the nerve center of Karnataka state, lies Bengaluru, vibrant with a mixture of culture and technology. Known for its gentle climate and greenery, it is often called the “Garden City of India”. It is also IT and Aerospace hub of India.



Bengaluru is blessed with a magnitude of sightseeing options such as Lalbagh, Cubbon Park, Vidhana Soudha, Bengaluru Palace, Nandi Hills and many nearby destinations such as Mysore, Belur-Halebeedu, Hampi and Coorg.

## Organizers

- Aeronautical Society of India, CFD Division, India
- CSIR - National Aerospace Laboratories, Bengaluru, India
- CSIR – Fourth Paradigm Institute
- CSIR-Central Mechanical Engineering Research Institute
- Aeronautical Development Agency, Bengaluru
- Hindustan Aeronautics Limited, Bengaluru
- Indian Institute of Science, Bengaluru
- India Indian Institute of Technology, Kanpur
- India Indian Institute of Technology, Mumbai, India
- Aeronautical Development Establishment, Bengaluru
- India Gas Turbine Research Establishment, Bengaluru

## Scope of the Conference

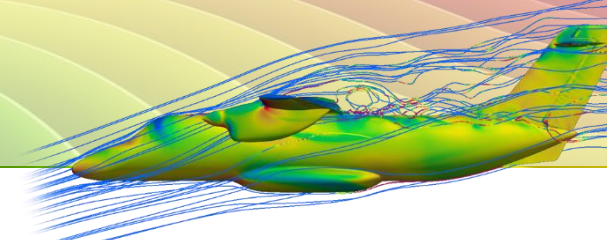
- Algorithms and Numerical schemes
- Mesh free & Cartesian methods
- Advances in Grid generation
- Convergence acceleration techniques
- High performance parallel computing
- Turbomachinery & Internal Flows
- High speed flows
- Unsteady flows
- CFD for Electronics cooling
- High fidelity simulations : DES, LES & DNS
- CPU/GPU computing
- AI & ML in CFD Simulations
- Design & Optimization
- Open-source CFD software
- CFD & Cloud computing
- Automobile aerodynamics
- Data centers thermal management using CFD
- Emerging areas of CFD
- Applied Aerodynamics : Drag prediction, stall simulation, Highlift devices, dynamic derivatives
- Turbulence/ transition/ Instability

Conference Website: <https://khoj.nal.res.in/ACFD2023/>

Email : [acfd2023@nal.res.in](mailto:acfd2023@nal.res.in)



# ACFD 2023



## ACFD Executive Committee

**Prof. Chongam Kim** (Seoul National University)  
**Prof. Chao-An Lin** (National Tsing Hua University)  
**Prof. Ching-Yao Chen** (National Chiao Tung University)  
**Dr. Daisuke Sasaki** (Osaka Metropolitan University)  
**Prof. Jianping Wang** (Peking University)

**Prof. Kun XU** (Hong Kong University of Science and Technology)  
**Prof. Khoo Boo Cheong** (National University of Singapore)  
**Prof. Ning Zhao** (Nanjing University of Aeronautics and Astronautics)  
**Prof. Rajesh Ranjan** (Indian Institute of Technology Kanpur)  
**Prof. Suengsoo Lee** (Inha University)

**Prof. Soshi Kawai** (Tohoku University)  
**Prof. Tsubokura Makoto** (Kobe University/RIKEN)  
**Dr. V. Ramesh** (National Aerospace Laboratories)  
**Prof. Yuxin Ren** (Tsinghua University)

## ACFD 2023 Organizing Committee

### Chief Patrons

**Dr. G. Satheesh Reddy**, SA to RM, President AeSI  
**Dr. N. Kalaiselvi**, DG-CSIR & Secretary DSIR  
**Shri. S. Somanath**, Chairman DoS  
**Dr. Samir V. Kamat**, Secretary, Dept. of Defence R&D & Chairman DRDO  
**Dr. Girish S. Deodhare**, DG ADA  
**Shri C.B. Ananthakrishnan**, Chairman and Managing Director, HAL

### National Advisory Committee

**Chairman** : **Dr. Abhay Anant Pashilkar**, Director, CSIR-NAL  
**Co-Chairman** : **Prof. Joseph Mathew**, Chairman AE Dept., IISc  
**Members** : **Dr. Sridevi Jade**, Director CSIR-4PI  
**Prof. S.M. Deshpande**, IAC Member ACFD, ex Prof. Satish Dhawan Chair, AE Dept., IISc, ex Hon. Prof. EMU, JNCASR  
**Shri APVS Prasad**, Chairman, Bengaluru Branch, Aero Soc. of India  
**Shri Y. Dilip**, Director, ADE  
**Dr. S. V. Ramanamurthy**, Director, GTRE  
**Shri Jitendra J. Jadhav**, Director, ADA  
**Dr. R. Krishnamurthy**, DRDL  
**Dr. V. Ashok**, VSSC  
**Prof. Gautam Biswas**, IIT-Kanpur, IAC Member ACFD  
**Prof. Gopalakrishna M. Kamath**, IIT-Kanpur  
**Prof. Sanjay Mittal**, IIT – Kanpur, IAC Member ACFD  
**Prof. Avijit Chatterjee**, IIT – Mumbai, IAC Member ACFD  
**Prof. J. C. Mandal**, IIT - Mumbai  
**Prof. Sashikumar Ganesan**, Chairman, CDS, IISc  
**Prof. Abhijit Kushari**, IIT-Kanpur  
**Prof. A. Sameen**, IIT-Madras  
**Convenor** : **Dr. V. Ramesh**, CSIR-NAL, EC Member ACFD

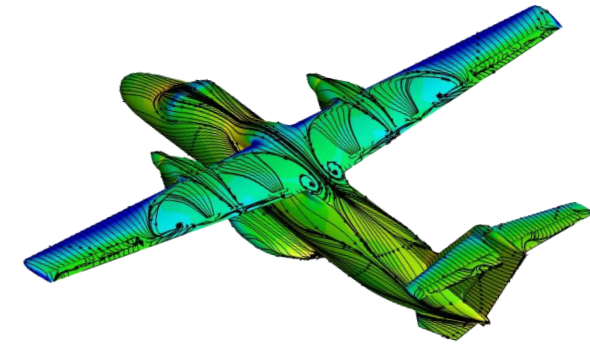
### National Organising Committee

**Chairman** : **Dr. V. Ramesh**, CSIR-NAL, EC Member ACFD (Email: vramesh@nal.res.in)  
**Co-Chairmen** : **Prof. N. Balakrishnan**, AE, Dept. IISc  
**Mr. Jawahar S**, ADA, Chairman AeSI CFD Division (Email: jawahars.ada@gov.in)  
**Mr. Satya Prakash**, ADA, Vice Chairman AeSI CFD Division  
**Organising Secretaries** : **Ms. Valliammai S**, ADA, Gen. Secretary AeSI CFD Division (Email: valli.ada@gov.in)  
**Dr. Rajesh Ranjan**, IIT – Kanpur, EC Member ACFD (Email: rajeshr@iitk.ac.in)  
**Dr. T. N. Venkatesh**, CSIR-NAL (Email: tnv@nal.res.in)  
**Members** : **Mr. K. Selvaraj**, ADE  
**Mr. R. Thangavelu**, CSIR-4PI  
**Dr. Somendu Jana**, CSIR-NAL  
**Dr. S. Venkat Iyengar**, CSIR-NAL  
**Dr. Kota Solomon Raju**, CSIR-NAL  
**Dr. T. Murugan**, CSIR-CMERI  
**Dr. K. Ananda Narayanan**, DRDL  
**Dr. Konduri Aditya**, CDS, IISc  
**Dr. Samrat Rao**, IIT- Jammu  
**Dr. Niranjhan Ghaisas**, IIT- Hyderabad  
**Mr G. Sivaramakrishna**, GTRE  
**Mr V.V.S Narayan**, ARDC, HAL  
**Mr Moin Khan**, AeSI-Bengaluru, HAL  
**Mr C. Kalaivannan**, AeSI-Bangalore  
**Dr. Anil N**, BITS-Pilani, Hyderabad  
**Mr Atul Borkar**, ANSYS, India  
**Mr Hariprasad L S**, Cadence Design Systems, India  
**Mr Prakash T G**, Nvidia, India  
**Mr Chakradhar**, Sankhya Sutra Labs  
**Dr. Kishore Singh Patel**, NIT, Rourkela  
**Dr. Tapan K Mankodi**, IIT Guwahati  
**Treasurer** : **Mr. Muralidhar Madhusudan**, ADA, Treasurer AeSI CFD Division  
**Joint Treasurer** : **Mr. R. Venkatesh**, KTMD, CSIR-NAL

## Paper Submission

The ACFD 2023 solicits original research work within the scope of the conference in the form of extended abstracts

- A four page extended abstract is needed for consideration of acceptance in the conference.
- The format for paper can be downloaded from the ACFD2023 website.
- Selected papers will be considered for publication in special issues of the following journals



1) Computers and Fluids\*    2) Sadhana - Official Journal of the Indian Academy of Sciences    3) Journal of Aerospace Sciences and Technologies

\*Formal confirmation from publishing office awaited "

## Registration Details

For Foreign Nationals	In US \$
Registration fee	350
Early Bird Registration Before 1 <sup>st</sup> August 2023	250
Student Registration*	100

For Indian Nationals	In INR (₹)
Registration fee	25,000
Early Bird Registration Before 1 <sup>st</sup> August 2023	20,000
For Indian Govt. Bodies	15,000
Student Registration*	8,000

\*The student author should be presenting.

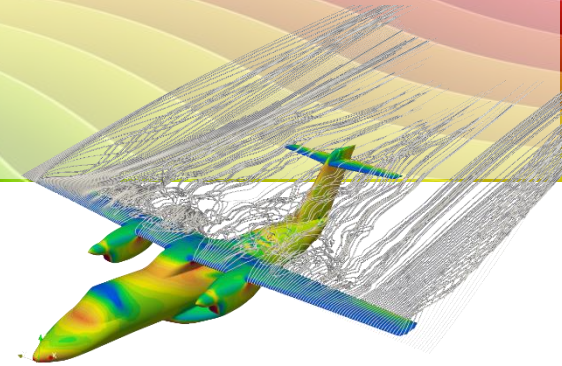
## Bank Details

Account No.	10406839951
Account Name	AERONAUTICAL SOCIETY of INDIA, CFD DIVISION
Bank	State Bank of India
IFSC code	SBIN0003994
Branch	C V RAMAN NAGAR
SWIFT code	SBININBB147

For Registration and Paper submission please visit <https://khoj.nal.res.in/ACFD2023/>



**ACFD 2023**



### Platinum Sponsors

**Sponsor Amount : Rs. 10 Lakhs**

**Special Benefits :** 10 Complimentary Registrations  
An Exhibition stall at the venue  
Display of Sponsor Logo in the event halls



### Gold Sponsors

**Sponsor Amount : Rs. 7 Lakhs**

**Special Benefits :** 7 Complimentary Registrations  
An Exhibition stall at the venue  
Display of Sponsor Logo in the event halls



### Silver Sponsors

**Sponsor Amount : Rs. 5 Lakhs**

**Special Benefits :** 5 Complimentary Registrations  
An Exhibition stall at the venue  
Display of Sponsor Logo in the event halls

### Sponsors Grade A

**Sponsor Amount : Rs. 3 Lakhs**

**Special Benefits :** 3 Complimentary Registrations  
Display of Sponsor Logo in the event halls

### Sponsors Grade B

**Sponsor Amount : Rs. 2 Lakhs**

**Special Benefits :** 2 Complimentary Registrations  
Display of Sponsor Logo in the event halls

### Sponsors Grade C

**Sponsor Amount : Rs. 1 Lakh**

**Special Benefits :** 1 Complimentary Registration  
Display of Sponsor Logo in the event halls

**For sponsoring special events please contact**

### Dr. V. Ramesh

CSIR-NAL, Chief Scientist and Head CTFD Division  
Prof. Academy of Scientific & Innovative Research  
EC Member ACFD

PB 1779, Kodihalli, Bengaluru - 560017, India

Phone : +91 25051617, Fax : +91 80 25220952, Email : [acfd2023@nal.res.in](mailto:acfd2023@nal.res.in)

**Venue**



### HAL Management Academy

Marathahalli, Bengaluru-560 037, India

