

International Conference on
**Advanced Design & Manufacturing
of Aerospace Systems**
&
**74th Annual General Meeting of
The Aeronautical Society of India**



New HAL Management Academy
Doddanekundi Main Road, Marathahalli
Bengaluru, Karnataka 560037



5th & 6th December 2025

Organized by:
THE AERONAUTICAL SOCIETY OF INDIA
Bangalore Branch



Advisory Committee

Dr. V K Saraswat	Member, NITI Aayog <i>Chairman, Advisory Committee</i>
Dr. Samir V Kamat	Secretary DDR&D and Chairman, DRDO
Dr. V Narayanan	Secretary DoS & Chairman, ISRO
Dr. (Mrs.) N Kalaiselvi	DG, CSIR & Secretary DSIR
Dr. G Satheesh Reddy	President, AeSI & Member NSAB, GoI
Dr. S Somanath	President-Elect, AeSI & Former Chairman, ISRO
Shri AS Kiran Kumar	Former Chairman, ISRO
Air Marshal Ashutosh Dixit	AVSM, VM, VSM, Chief of Integrated Defence Staff (CISC)
Dr. R K Tyagi	Former Chairman, HAL
Dr. (Mrs.) K Rajalakshmi Menon	DG (Aero), DRDO
Shri Manoj Jain	CMD, BEL
Dr. D K Sunil	CMD, HAL
Shri Jayant D Patil	Director & Sr. Exec. VP, L&T Defence
Dr. BHVS Narayana Murthy	VC, DIAT, Pune

Executive Committee

Dr. (Mrs.) K Rajalakshmi Menon	DG (Aero), DRDO <i>Chairperson, Executive Committee</i>
Dr. Jitendra J Jadhav	DG (ADA), DRDO
Shri Ankathi Raju	DS & Director, DRDL, DRDO
Shri. APVS Prasad	OS & CE, CEMILAC, DRDO
Dr. S V Ramana Murty	OS & Director, GTRE, DRDO
Dr. Anil Prasad Dash	OS & Director, HEMRL, DRDO
Dr. Abhay A Pashilkar	Director, NAL (CSIR)
Shri. P B Ranga Rao	CEO, HAL Helicopters Div.
Air Vice Marshal Tejpal Singh	AVSM, VM, ACAS (Plans)
Shri Munjal Sharad Shah	MD, Paras Defence & Space Technologies Ltd.
Smt. U Jeya Santhi	Hon. Secretary General, AeSI
Prof. Joseph Mathew	Head, Dept. of Aerospace Engineering, IISc
Shri Imtiaz Ali Khan	Sci/Engr-G & Director DSRQ, ISRO HQ



PROGRAM SCHEDULE

Day 01 - 5th December 2025

08:00 to 09:15 Reception and Registration
09:15 to 09:30 Welcome and Opening Remarks

TECHNICAL SESSION 1

ADVANCED MANUFACTURING TECHNOLOGIES FOR AEROSPACE SYSTEMS

09:30 to 11:00 Invited Talks
11:00 to 11:15 Tea Break

TECHNICAL SESSION 2

TECHNOLOGIES FOR ADVANCED AIRCRAFT

11:15 to 12:45 Invited Talks
12:45 to 14:00 Lunch

TECHNICAL SESSION 3

SPACE TECHNOLOGIES AND PLANETARY EXPLORATION

14:00 to 15:30 Invited Talks
15:30 to 15:45 Tea Break

INAUGURATION

16:00 to 17:30 Inaugural Function - Hon'ble Governor of Karnataka

74th ANNUAL GENERAL MEETING

17:30 to 19:00 AGM Business Session
19:00 to 20:00 Cultural Program
20:00 to 22:00 Networking & Dinner

Day 02 - 6th December 2025

TECHNICAL SESSION 4

ADVANCED DESIGN FOR INDIGENOUS PROPULSION SYSTEMS

10:00 to 11:30 Invited Talks
11:30 to 11:45 Tea Break

TECHNICAL SESSION 5

DIGITAL TWIN AND AI/ML IN AEROSPACE

11:45 to 13:15 Invited Talks
13:15 to 14:00 Lunch

TECHNICAL SESSION 6

UNMANNED AERIAL SYSTEMS AND AUTONOMOUS PLATFORMS

14:00 to 15:30 Invited Talks
15:30 to 15:45 Tea Break

PANEL DISCUSSION

PUBLIC-PRIVATE PARTNERSHIP IN AEROSPACE INNOVATIONS FOR SELF-RELIANCE

15:45 to 16:45 Panel Discussion
16:45 to 16:50 Vote of Thanks
16:50 High Tea

SPONSORSHIP PRIVILEGES

Category	Amount (INR in Lakhs)	Benefits & Preveliges
Diamond	100	• 08 Delegate Passes for the Event • 20 Minutes Presentation during Conference • 3 min video display between talk • Souvenir back cover advertisement • Logo Display
Platinum	75	• 06 Delegate Passes for the Event • 10 Minutes Presentation during Conference • Souvenir front cover inside page advertisement • 2 min video display • Logo Display
Gold	50	• 04 Delegate Passes for the Event • 2 min video display • Souvenir Back cover inside full page • Logo Display
Silver	25	• 03 Delegate Passes for the Event • Souvenir inside full page color printing
Bronze	10	• 02 Delegate Passes for the Event • Souvenir inside half page color printing
Others	5	• 01 Delegate Pass for the Event

REGISTRATION FEE

Category	Delegate Fee
Govt, PSUs, R&D, MNCs	Rs.8,000 + 18% GST = Rs.9,440
Armed Forces, MSMEs/Startups, Academia	Rs.5,000 + 18% GST = Rs.5,900
Indian Students	Rs.2,000 + 18% GST = Rs.2,360
Foreign Delegates	\$ 200
Foreign Students	\$ 100

10% Discount to AeSI Members (Individual & Corporate) on Registration Fee.
The Aeronautical Society of India, GSTIN: 29AAATT0716E1ZP

Bank Details

Bank Name	State Bank of India
Account Holder Name	AeSI Conference 2025
Account No.	44546466745
IFSC Code	SBIN0006538
Branch	ADE Branch, Bengaluru

SCAN & PAY



UPI ID : aesiconference2025@sbi

National Governing Council



President

Dr. G Satheesh Reddy

Former Secretary DD (R&D),
Chairman, DRDO & Scientific Advisor to RM



President Elect

Dr. S Somanath

Former Secretary,
Department of Space (DOS) & Chairman, ISRO

Past Presidents

Shri. AS Kiran Kumar
Dr. RK Tyagi

Former Chairman, ISRO
Former Chairman, HAL

Vice Presidents

Shri. Sukaran Singh
AVM Tejpal Singh AVSM, VM
Dr. Y Sreenivas Rao
Dr. Tessy Thomas
Shri. Samarjeet Kumar Gupta

CEO & Managing Director, TASL
ACAS (Plans), IAF
Former DG (NS & M), DRDO
Former DG (Aero), DRDO
Resident Manager, Customer Support,
(India & Nepal), Pratt & Whitney
Chairman & Managing Director, HAL
Executive Director, Air India

Members

Prof. Jagadeesh Gopalan
Shri. Vikash Kumar Mishra
Dr. Abhay Anant Pashilkar
Shri. Jitendra J Jadhav
Shri. Ashish Rajvanshi
Shri. Suresh M
Shri. P S Ganapathy
Shri. Asir Packiaraj J
Dr. R Asokan
Dr. R S Pant
Shri. Chandrashekar H G
Capt. Hemant Kumar

Professor, Dept of Aero Engg., IISc
Chairman, Raphe mPhibr Pvt. Ltd.
Director, CSIR-NAL, Bengaluru
Director General, ADA, Bengaluru
President & Head (D&A), ADANI
AAI
Air India (Retd.)
ISRO
HITS
Professor, IIT Bombay
SASMOS HET
Indigo

President's Nominees

Dr. Lalit Gupta
Shri. Javaji Munirathnam

Former Joint Director General, DGCA
Founder & Director, JMC

Hon. Secretary General

Smt. U Jeya Santhi

Former DG (HR), DRDO

Hon. Treasurer

Shri. Ravindra Kumar Jain

Former Assoc. Director, SSPL

Dr. R. Balasubramaniam
Capt. Sangita Bangar
Shri. DR Subramanyam

Editor, AeSI Journal Office
Nomination from IWPA
Nomination from SIATI

Governing Council (Bangalore Branch)



Chairman

Dr. S V Ramana Murthy

Outstanding Scientist & Director,
GTRE, DRDO



Chairman Elect

Shri P B Ranga Rao

CEO (HC), HAL

Vice Chairman

Shri. V Balakrishnan

Former ED, Engine Division, HAL

Shri. C Kalaivanan

Former Group Director, GTRE, DRDO

Shri. R Arunachalam

Scientist-SG (Retd), URSC, ISRO

Dr. VPS Naidu

Chief Scientist, CSIR-NAL

Shri. C U Hari

Former Director (Aero) DRDO HQ & Director (Admin & Contracts) ADA

Shri. P Bhaskar Babu

Chief Manager, Engine Division, HAL

Shri. Mueen Khan

Manager (GTC), RWR&DC, HAL

Shri. D R Subramanyam

Managing Director, SLN Technologies

Shri. Ashok Aseri

Former GM, ACD, HAL

Dr. S Rajagopal

Sc H, ADE, DRDO

Dr. Aishwarjya Gogoi

OS, ADA

EC Members

Shri. Sanjeev Sikka

Managing Director, Micronel Global Engineers Pvt Ltd

Dr. C Thangavelu

Chairman, IDST, Bangalore Branch

Dr. K K Brahma

Consultant, Umlaut Pvt Ltd

Dr. Siva Subba Rao

Scientist F, CSIR-NAL

Dr. S Madhavan

Scientist G (Retd), GTRE, DRDO

Dr. M. Sivapragasam

Professor, MSRUAS

Gp Capt Jetendra Gavankar

CEO, Safran India Pvt Ltd

Shri. Srinath K

Vice President-GSE, Air India SATS

Shri. Sandeep Jain

Senior Aircraft Maintenance Engineer, Zephyr Aerospace Pvt Ltd

Dr. R Kousik Kumar

Assistant Professor G-III, NMIT

Hon. Secretary

Dr. Manjunath S Dalbanjan

Scientist E, GTRE, DRDO

Hon. Joint Secretary

Shri. S Saravanan

Technical Officer C, CABS, DRDO

Hon. Treasurer

Shri. S Suresh Babu

Scientist E, GTRE, DRDO

Nominated Representatives

Wg Cdr Venugopal Menon

Senior Director, SIATI

Dr. R. Balasubramaniam

Editor, AeSI Journal Office

Capt. Sangita Bangar

Nomination from IWPA

Shri. DR Subramanyam

Nomination from SIATI

About the International Conference:

As we approach the milestone of India's centennial year of Independence in 2047, the vision of Bharat requires focused and innovative strategies to tackle challenges across various fields & sectors, particularly in the aviation & aerospace domains. The conference aims to bring together policymakers, Armed Forces, R&D organizations, industry leaders & academia to deliberate on emerging technologies, indigenous design and manufacturing capabilities that will shape the future of aerospace systems in India. The conference will include presentations by experts & deliberations on the following topics:

- Space Exploration and Satellites
- Autonomous & Unmanned Aerial Systems
- Cutting-edge Technologies in Aerospace
- Artificial Intelligence & Machine Learning in Aviation
- Advanced Manufacturing Technology in Aerospace
- Regional Transport Aircraft & Urban Air Mobility
- Advanced Combat Aircraft Design & Propulsion Systems
- Make in India in the field of Aerospace & Aviation
- Academia, R&D & Industry Partnerships in Aerospace & Aviation
- Electrical Propulsion



About The Aeronautical Society of India:

The Aeronautical Society of India (AeSI), was established in 1948, under the patronage of the Hon'ble Prime Minister of India, with a vision to spearhead the growth of aeronautics & aerospace in the country. The objective of the Society is to promote the advancement and dissemination of knowledge of Aeronautical & Aerospace Sciences/Technologies. With 18 branches across the nation, a dedicated Journal Office, two Design Divisions, and with a robust membership exceeding 15,000 professionals, over 10,000 student members and 66 corporate members, AeSI has been at the forefront, pioneering advancements in aeronautics & aerospace and fostering a connected ecosystem of Services, R&D organisations, industry & academia, propelling India towards global leadership.

About The Aeronautical Society of India, Bangalore Branch:

The Bangalore Branch of the Aeronautical Society of India (AeSI) is one of its most active and prominent regional centers, playing a key role in advancing the Society's vision of promoting aeronautics and aerospace in India. Situated in the hub of India's aerospace ecosystem, the Bangalore Branch actively collaborates with R&D organizations, academia, and industry to promote innovation and knowledge sharing. It also hosts the Society's CFD and Design Divisions, and regularly organizes technical lectures, workshops, and major events like the Aero India International Seminar. Through its initiatives, the Bangalore Branch significantly contributes to India's growth as a global aerospace leader.

About Bengaluru:

Bengaluru, well-known as India's "Silicon Valley" and "Intellectual Capital," is a prominent hub of innovation and technology. Esteemed institutions like the Indian Institute of Science (IISc), organisations such as ISRO, HAL, ASTE and various DRDO Labs reinforce its leadership in aerospace and research. With a temperate climate & lush greenery, the "Garden City" is equally known for its vibrant markets offering traditional crafts like silk and sandalwood. Seamlessly blending a rich cultural heritage with a forward-thinking spirit, Bengaluru stands out as a renowned center for business, research, and cultural exchange.



THE AERONAUTICAL SOCIETY OF INDIA
Bangalore Branch