

# AEROCON 2024

Sustainability & Circularity in Aerospace – Trends, Challenges & Opportunities

✈ June 6 & 7, 2024 | Bengaluru, India ✈

In association with



## About AeroCON

AeroCON is a prestigious biennial International Conference organized by SAEINDIA in collaboration with SAE International. AeroCON 2024 is planned to be held in Bengaluru, India on 6<sup>th</sup> & 7<sup>th</sup> June, 2024. The theme of AeroCON 2024 is **"Sustainability & Circularity in Aerospace – Trends, Challenges & Opportunities"** focusing on various research trends, challenges, and opportunities. It is a knowledge-sharing platform on Sustainability & Circularity in Aerospace bringing together the best of industry, academia, and research to lay the roadmap for the future of Aerospace & Defense.



## SAE International

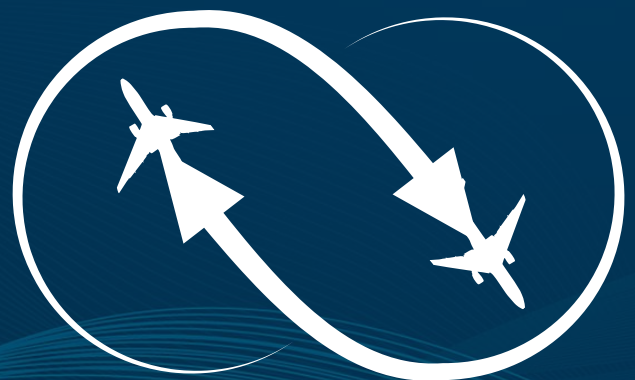
SAE International is a global association of more than 1,28,000 engineers and related technical experts from over 100 countries representing aerospace, automotive and commercial-vehicle industries. Today, SAE International has a thriving community of members from the Aerospace Industry, and a commanding position in Aerospace Standards with a high percentage of aerospace standards being maintained, managed and disseminated by SAE International. SAE International also organizes various aerospace activities for its members like SAE AeroTech and SAE Aero Design Challenge.

## SAEINDIA

SAEINDIA is a premier professional society that serves the mobility Engineering Community engaged in the design, manufacturing and service of self-propelled vehicles and systems that move in land, air, space and sea. It has a glorious track record of 25 years in service to the mobility community. It has 4,000+ professional members and 40,000 student members. SAEINDIA is the largest strategic alliance partner of SAE International.

## SAEINDIA Aerospace Forum

The objective of the Aerospace Forum is to Develop a Strong Community of Interest, Leading to a healthy Aerospace Ecosystem in India. Aerospace Forum is focused on knowledge dissemination, providing opportunities for increasing Know-how, enabling access to Standards, playing an important role in influencing Policymakers to design appropriate policies for Aerospace and Defense domain.











**Advancing Innovation for Global Aviation Development**

# TOPICS

## Topics of special interest

(including but not limited to)

- |  |  |   |  |
|--|--|---|--|
|  | Renewable and Alternative Energy Sources |  | Sustainability, Decarbonization & Circularity  |
|  | Aerospace Manufacturing & Sustainability |  | Electrified and Hydrogen Powered Aircraft  |
|  | Emissions and Noise Management           |  | Sustainable Aviation Fuels   |
|  | Efficient Air-traffic Management         |  | Futuristic Aerospace Transportation - Highly efficient aircraft designs, Novel Propulsion Systems, Green aircraft technologies, and Energy optimized flight operations to reduce aircraft energy consumption |

## Topics of General Interest & Emphasis Areas

(including but not limited to)

### Flight & Space Dynamics

- Aerodynamics & Propulsion Designs
- Acoustic, Thermal & Electromagnetic Designs
- Hypersonics
- Aircraft Noise, Control & Climate Effects
- Computational Fluid Dynamics & Advanced Computational Methods
- UAVs/Drones Design Engineering
- Spacecraft Structure & Design

### Materials, Structures & Manufacturing

- Additive Manufacturing, Smart Manufacturing & IOT
- Advanced Composite, Extreme Environment Materials
- Inspection, Repair, Structural Integrity
- Manufacturing - Special Processes & Certification
- Fasteners, Joining
- Smart Materials
- Assembly, Disassembly & Tooling
- Structural Health Monitoring

### Aerospace Systems Engineering

- Multi-Disciplinary Optimization
- Modeling & Simulation
- Integrated Vehicle Health Management
- Testing, Verification & Validation
- Operations, MRO
- Airspace Integration of Uncrewed Vehicles
- Air & Space Vehicle Design Engineering
- Reliability, Safety, Security
- Fuel System, Battery, Engine, Powertrain
- Environmental & Government Regulations, Certification, Policy, Strategy

### Avionics Systems – Displays, Control, Guidance, Navigation & Communication

- Vision, Computation, Perception, Intelligence
- Flight Deck of the Future
- Single Pilot Operations
- Formation, Self-organizing
- Trust in Automation
- Adaptive Control
- Security & Information Assurance
- Path Planning
- Next Gen Avionics

### New Technologies Integration

- AI/ML, AR/VR
- Digital Twin
- Block-chain
- Robotics & Cognitive Assistants in Aerospace

### Sectors / Domains

(Including but not limited to)

- |  |                      |
|--|----------------------|
| • Aeronautics (Aircraft, Rotorcraft)     | • Urban Air Mobility |
| • Aircraft Maintenance/ Repair/Overhaul  | • Space Systems      |
| • Uncrewed Aerial Systems - UAVs/ Drones | • Aviation           |
| • Airborne Defense Systems               |                      |


## EVENT TIMELINE

Deadline	Deadlines for Papers / Presentations
Abstract Submission	15-Sep-23 15-Oct-23 (Hard Deadline)
Abstract Selection Notification	30-Sep-23 30-Oct-23
Submission for Review	31-Oct-23 15-Dec-23 (Hard Deadline)
Notification of Acceptance	15-Jan-24 31-Jan-24
Final Submission & Author Registration	04-Mar-2024



\*\* Paper Review processes will be initiated as soon as the full paper is submitted for review. Please submit your full paper manuscript early to receive feedback early

# SPONSORSHIP:

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Large logo presence in Event Backdrop and all marketing collateral	Large logo presence in Event Backdrop and all marketing collateral	Medium logo presence in Event Backdrop	Small logo presence in Event Backdrop	Small logo presence in Event Backdrop	Small logo presence in Event Backdrop	Small logo presence in the Event Backdrop and all marketing collateral	Small logo presence in the Event Backdrop and all marketing collateral
12 Complimentary Delegates	10 Complimentary Delegates	7 Complimentary Delegates	5 Complimentary Delegates	3 Complimentary Delegates	2 Complimentary Delegates	(3 + 2) Complimentary Delegate for Faculty & Students	3 Complimentary Delegate Passes
Posts in Media Handles as Title sponsor	Posts in Media Handles as Principal sponsor	Posts in Media Handles as Platinum sponsor	Posts in Media Handles as Gold sponsor	Posts in Media Handles as Silver sponsor	Posts in Media Handles as Bronze sponsor	Posts in Media Handles as Academia sponsor	Posts in Media Handles as Start-up sponsor
18 sq.m Stall at a prominent position at the Exposition	18 sq.m Stall at a prominent position at the Exposition	12 sq.m Stall at a prominent position at the Exposition	6 sq.m Stall at Exposition	Company Profile in Event Directory	Company Profile in Event Directory	Table space / Poster Display at the Event venue	Table space / Poster Display at the Event venue
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Sponsor Ad Video for 3 minutes played during breaks	Sponsor Ad Video for 3 minutes played during breaks	Sponsor Ad Video for 3 minutes played during breaks					
Guest of Honour slot at Inaugural							

## BENEFITS OF SPONSORING:

- Demonstrate thought-leadership and innovation in key subject areas.
- Share, showcase, and discuss the latest research on technology advancements, and applications.
- Expand your professional experience and influence as well as your organization’s leadership by demonstrating subject matter knowledge and expertise to mobility professionals from around the world.
- Connect with subject matter experts in the mobility industry to expand business opportunities.
- Be a conduit for discussion on further advancements in mobility in the areas of aircraft design, aircraft systems, transportation, networks, infrastructure, electrification, connectivity, and materials.
- Discuss successes and challenges with your peers who may have similar experiences and lessons learned to share.
- Receive a discount on event registration.

An Opportunity  
to Discover  
New Business!

## EXPOSITION

- Octonorm built stall of 6 Sq.m
- Complimentary Delegate - 2 nos
- Director Chair - 2 nos
- Octonorm Table - 1 no
- Spot Light - 3 nos
- 5 amps power socket - 1 no

DELEGATE FEE	
Author	INR 3,000 *
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Non-Member	INR 6,000 *
Faculty / Academia Member	INR 3,000 *
Student	INR 1,500 *

Exhibitor	INR 75,000 *
Startup	INR 30,000 *

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For more details, visit event website at <https://saeindia.org/aerocon2024/>



**Force Majeure**  
The AeroCON organizing committee and SAEINDIA shall not be held responsible for non-fulfilment of their obligations due to the exigency of one or more of the force majeure events such as but not limited to the acts of God, war, flood, earthquake, strikes, lockouts, pandemics, epidemics, riots, civil commotion, scarcity, of water, electricity or such other basic facilities etc and shall inform the participating teams on the occurrence and cessation of the event within one week of such decision being made. If the force majeure conditions continue beyond a reasonable period where running the event is not feasible either due to the force majeure conditions or any other reasons, the event may be cancelled for the year (a) Earthquake, flood, inundation and landslide, storm, tempest, hurricane, cyclone, lightning, thunder, pandemics, epidemics or other extreme atmospheric disturbances or any other act of God (b) Strikes, labour disruptions or any other industrial disturbances not arising on account of the acts or omissions of the organizers, war, hostilities (whether declared or not), invasion, act of foreign enemy, terrorism, rebellion, riots, weapon conflict or military actions, civil war, ionizing radiation, contamination by radioactivity from nuclear fuel, any nuclear waste, radioactive toxic explosion, volcanic eruptions or other such occurrences beyond the control of the organizers (c) Acts of expropriation, compulsory acquisition or takeover by any government agency of the said venue where the event is to be held or any part thereof (d) Any prohibitory order of any Court.