

## BROAD AREAS: (Not Limited to)

### PROPULSION & HEAT TRANSFER

- Advances in Space Propulsion & Electric Propulsion
- Clean Combustion
- Green Propellants
- Cryogenics
- Thermal Analysis
- Heat Exchangers
- Combustion, Performance & Emission

### EXP. & COMP. AERODYNAMICS

- Wind Tunnel Testing
- Shock Waves
- Hypersonic Aerodynamics
- Re-entry Aerodynamics
- Acoustics
- Aero-elasticity
- Fluid Structure Interaction
- Flow Visualization
- Boundary Layer Interaction

### MATERIALS & COMPOSITES

- Smart Materials
- Additive Manufacturing
- 3-D Printing
- Modelling and Simulation Technologies
- Structural Analysis
- Corrosion
- Composite Materials
- Advanced Joining Methods

### UAS & SYSTEM ENGINEERING

- Digital Aviation
- Aircraft Maintenance
- Civil Aviation & Space Policies
- Intensive CAD/CAM
- Aircraft Design
- Launch Vehicles System
- Societal Application Drones
- Autonomous Air Vehicles
- Swarm Technologies

### SUSTAINABLE SPACE TECHNOLOGY

- Space Dynamics and Interplanetary Trajectory
- Defence and Security Systems
- Space Resource Utilization
- Astrophysics
- Lander Technology for Space
- Orbital Mechanics
- Rocket Design
- Satellite Collision Avoidance
- Space Debris
- Space Colonization

### AVIONICS GUIDANCE & CONTROL

- Aviation 4.0
- Human System Interaction
- Sensors & MEMS
- Digital Twinning
- Mechatronics, Microelectronics in Aerospace Systems
- Automation Control and Robotics
- Structural Health Monitoring
- Spacecraft System Design & Control

## CALL FOR PAPERS

Academics, researchers and industry professionals are being invited to submit their original research papers previously unpublished, not currently under review by another conference or journal. All submissions will be subjected to at least two blind reviews. Acceptance will be based entirely on quality, relevance and originality. The authors can send their Abstracts/ Full paper(s) through online. The template for submission is provided at the conference website:

Submit your Abstracts/ Full paper(s) through the website link:

<https://www.karunya.edu/daero/icsast-25/>

The selection for oral presentation will be strictly as per the feedback from the technical review committee. All selected peer-reviewed research/review papers presented in the conference will be recommended for publication through our supporting publishing partners.

## IMPORTANT DATES

Full Paper Submission Deadline	30 Mar 2025
Revised Paper Submission	15 April 2025
Last date for Registration	20 Apr 2025
Conference Dates	25 & 26 April 2025

## REGISTRATION FEE

DELEGATE CATEGORY	INR	USD
Under Graduates/Post Graduates	3540	100
Research Scholar	4720	125
Academia	5900	150
Industry	7670	200
Listeners (Accompany Delegates)	2000	75

The registration fee includes

- Entry to all sessions, tea/snacks, and lunch
- Conference Kit
- Certificate to all authors

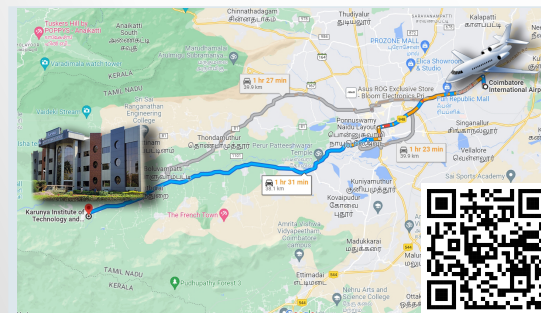
*Registration fee does not include journal publication charges*

## SUPPORTING PUBLISHING PARTNERS

- Research in Materials Science
- Journal of Integrated Science and Technology (Scopus)
- Springer Conference Proceedings (Proposal Submitted)
- Engineering Proceedings (Proposal Submitted)

Check **Publication tab** in website for updated Supporting Publishing journals to be added shortly

## REACH US



### Get in touch with us

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Payment link:

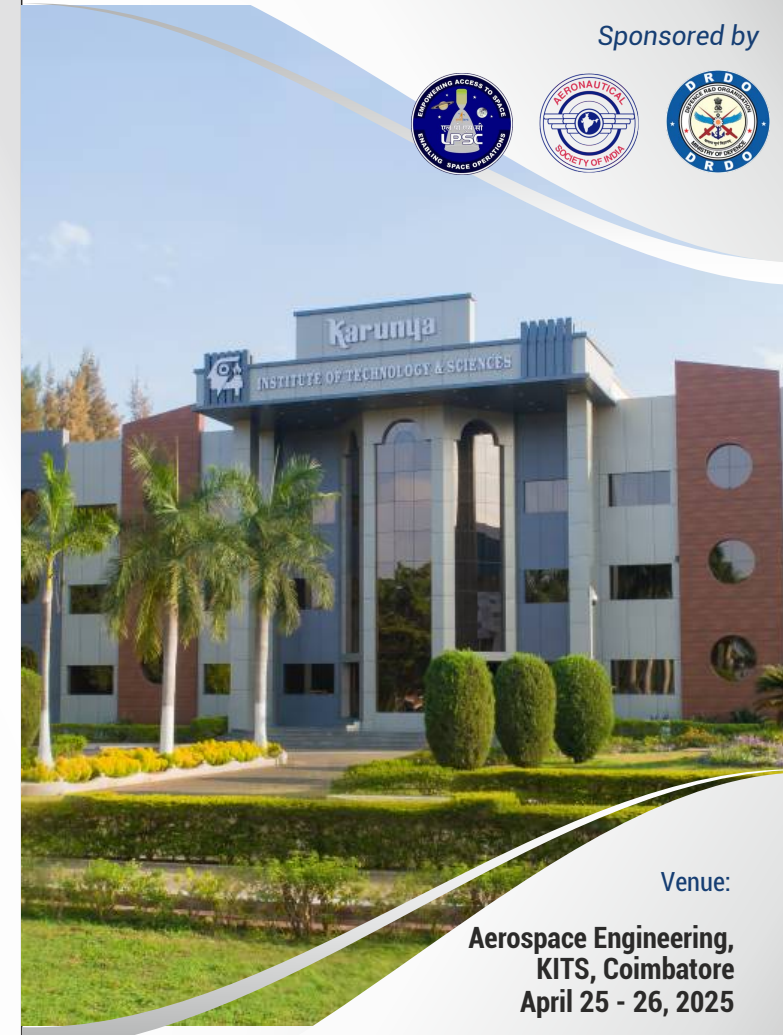
<https://eduserve.karunya.edu/Online/ExternalEvents.aspx>



International

# Conference on Sustainable Air and Space Technologies - ICSAST '25

Sponsored by



Venue:

**Aerospace Engineering,  
KITS, Coimbatore  
April 25 - 26, 2025**

Organized by:

**Division of Aerospace Engineering  
School of Engineering and Technology  
Karunya Institute of Technology & Sciences,  
Coimbatore, India**

## KARUNYA INSTITUTE OF TECHNOLOGY & SCIENCES

Karunya Institute of Technology and Sciences, was founded with the noble vision to raise professionals and leaders of high academic calibre and unblemished character, nurtured with a strong motivation and commitment to serve humanity. The institution is the fulfillment of the vision of its founders Late Dr. D. G. S. Dhinakaran and the present Chancellor Dr. Paul Dhinakaran. Established in 1986 as an Engineering College, it was granted an autonomous status in 1999 and declared Deemed-to-be University by the University Grants Commission (UGC) in recognition of its academic excellence by the Ministry of Human Resources Development under section 3 of the UGC Act, 1956 vide notification no 9-3-2000-U3 dated 23.6.2004 of the Government of India. Accredited by NAAC with the highest grade A++, the institution offers a wide array of Bachelors, Masters and Doctoral Degree programmes in various branches of Engineering, Biotechnology, Food processing and Agricultural Sciences. From a humble beginning of 180 students, the institution has rapidly grown to 8000+ students and 450+ faculty representing 18 academic divisions.

## DIVISION OF AEROSPACE ENGINEERING

The Division of Aerospace Engineering (Accredited with 6 Years of NBA) at Karunya Institute of Technology and Sciences (KITS) was established in 2009 to produce skilled aerospace engineers for both civilian and defense sectors. Our students gain expertise in Aerodynamics, Stress Analysis, Materials and Structures, Aircraft Design, Propulsion, Space Dynamics, AI & ML, and Smart Manufacturing, enabling them to innovate and explore limitless opportunities in the aerospace industry. They are trained in aerospace design and analysis software and offered value-added courses in Digital Manufacturing, AI in Aerospace, and Value Engineering to stay updated with industry advancements. Over the years, 600+ engineers have graduated from our division, securing positions in prestigious research organizations like GTRE and NAL, MNCs such as Accenture, Capgemini, and Infosys, and renowned aerospace companies like Quest Global, Agnikul Cosmos, Boeing, and Team Indus. With a strong emphasis on industry-aligned education, we prepare students for impactful careers in the ever-evolving aerospace sector.

## ABOUT THE CONFERENCE

The International Conference on Sustainable Air and Space Technologies aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Aerospace Sciences. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Aerospace.

## CALL FOR PAPERS

Prospective authors are kindly encouraged to contribute through submissions of their research work. High quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all areas of Aerospace are cordially invited for presentation at the conference.

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