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National Workshop on

Aircraft Structural Health Monitoring (NW-ASHM 2026)

CSIR- National Aerospace Laboratories
Bengaluru

8-9 October 2026



Organized by



CSIR-National Aerospace Laboratories
Bengaluru-560 017

In Association with



Design Division of AeSI
Bengaluru-560017

Workshop E-mail: iwashm2026@gmail.com

Website: iwashm2026.nal.res.in

About the Workshop

- Bring together the leading researchers, engineers, industry practitioners, and policy makers in Structural Health Monitoring (SHM) for aerospace applications.
- Facilitate gap analysis between current SHM capabilities and the requirements of next-generation aircraft certification.
- Foster national and international collaboration between academia, industry, regulatory bodies, and defense organizations.
- Showcase CSIR-NAL's leadership and expertise in SHM technologies developed across various division of NAL.

Themes of workshop:

- **Advanced SHM Technologies:** Sensors, Systems, Tools and Techniques
- **Digital Twin, Prognostics & Data Management:** AI/ML-Enabled Health Assessment, Fleet Health Management, Digital Infrastructure
- **Regulatory, Safety & Certification Compliance:** Certification Frameworks, Regulatory Compliance and Implementation of SHM in Aircraft

About CSIR-NAL

National Aerospace Laboratories (NAL) is a leading research institution in India and a constituent of the Council of Scientific & Industrial Research (CSIR) under the Ministry of Science & Technology. Established on June 1, 1959, CSIR-NAL participates in all major aerospace programs in the country, including the light combat aircraft program of ADA, satellite and launch vehicle programs of ISRO, and various initiatives of DRDO. In recent years, CSIR-NAL has undertaken civil aircraft development programs, such as the two-seater trainer (HANSA) and the small transport aircraft (SARAS), to address regional transport needs. Additionally, the laboratory is engaged in several unmanned aerial vehicle programs, including HAP and LM.



Design Division, AeSI

The Aeronautical Society of India established the Design Division in 2017 to serve as the torchbearer for aerospace design professionals. It offers a platform for inter-organizational exchange, reports professional contributions, and enables professionals to meet, interact, and learn from peers worldwide. The Division has maintained its founding vision of encouraging and nurturing aerospace design-related activities in the country and addresses challenging design problems relevant to India's needs. DD-AeSI is mandated to foster aerospace design activities across India and address design problems of national interest. DD-AeSI also meets manpower training needs for organizations involved in aerospace systems design and actively connects the Indian aerospace community.



Important Dates

- Early Registration deadline: 1st September 2026
- **Registration Closing date: 3rd October 2026**

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