

Advances in aviation engineering and technology

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Advances in aviation technology have significantly transformed the industry. Innovations like composite materials, advanced avionics, and sustainable aviation fuels have improved aircraft performance, efficiency, and environmental impact. Smart technologies are also enhancing airport operations and passenger experience. While technology plays a crucial role, human factors remain paramount in ensuring safe and efficient air travel. Despite technological advancements, accidents can still occur, highlighting the importance of human vigilance and adherence to safety protocols.



P.S. Ganapathy is a highly experienced aviation professional with a Master's in Statistics and 58 years in civil aviation. He retired as a General Manager after 33 years with Air India, then worked as Manager Regulatory Compliance in Oman Air and Directorate of Police Aviation in Muscat. He is a Crew Resource Management facilitator and has extensive knowledge of safety regulations and manuals. Since 2014, he has been training aviation organizations on safety and human factors. Mr. Ganapathy is actively involved in promoting aviation safety through articles, slogans, and industry associations. His dedication to safety has earned him the 2024 RWSI Safety Award.

29 November 2024 at 4 p.m.

(Hybrid), Lecture Theatre AG66, TIFR

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