

International Symposium on Artificial Intelligence - Machine Learning in Safety Critical Systems

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PROFILE



Mr. Adishesha Sivaramasastry

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Adishesha (Adi) is an Engineering leader with 30 years of experience in premier research and technology organizations like ISRO, DRDO, Honeywell, Philips and currently with Collins Aerospace - a subsidiary of Raytheon Technologies.

As a Director Technology & Global Technical Fellow in Collins Aerospace, Adi leads Technology, Innovation & Systems Engineering. He Chairs Technical Council, Innovation council and drives collaboration with industrial bodies and academia. Being a passionate Innovator and a mentor, Adi is instrumental in establishing Innovation culture in Collins Aerospace India and generating over 450 patents & 50 Trade Secrets at site level. He has coordinated more than 30 Technology programs, many of them leading to NPI.

Prior to joining Collins, Adi served ISRO (8 Years) on design, launch and on-orbit operations of INSAT series of geostationary satellites with specialization in Attitude & Orbit Control System (AOCS). In DRDO (9 Years), he led Systems Engineering teams for design of Guidance & Control, System modelling & simulation, Weapon system planning & simulation for tactical and strategic ballistic missile systems.

As Deputy Project Director (AD Missions - NGC) he made significant contribution to the design and launch of PRITHVI, DHANUSH, PAD, AD Target and conceptualization of PRAHAAR weapon systems. At Honeywell (4 Years), as a Technical Fellow, he developed architecture for Precise Personal Navigation in GPS denied environment, developed the technology strategy for smart grid initiatives and supported innovation drive. At Philips Healthcare he provided System Architecture for Interventional Cardiovascular X-Ray System (IntuIS) for Growth Market.

He is recognized with several awards for technical leadership. To mention a few – DRDO award for Path breaking Research & Technology development given away by Prime Minister of India and Appreciation by ISRO for his contribution to the launch of INSAT-2E.

He led development of wireless avionics intra-communication that was awarded the "Future of Flight" program by Collins in 2019. His leadership in Technology & Innovation steered Collins Aerospace to bag Industry awards - "Top 25 most Innovative Companies in India in 2020" by CII (Confederation of Indian Industries), Next Generation Product of the Year 2020 & Best Service Delivery Awards 2020 by NASSCOM, Technology Awards by SAE & Zinnov.

Adi holds a Bachelors in Instrumentation from Bangalore University, Masters in Electronics & Controls from BITS, Pilani (On Campus) and pursuing PhD from Jadavpur University, India. Adi is a Senior Member of IEEE & AIAA, Fellow of Institute of Engineers (India), Member of RTCA & SAE standards committees, Reviewer for IEEE, PED & SAE International Journals. He holds 25 patents, 2 Trade Secrets and 20 publications.