



Conference website: <https://saeindia.org/aerocon2022/>

Paper Notifications

1 Accepted Papers (Written & Oral Presentations)

Below is the final list of submissions accepted for conference, and for inclusion in conference proceedings. This list includes the papers that were indicated as “Borderline” papers in the earlier notification dt. 30-Jan-2022, and were subsequently accepted post review of revised manuscript

Paper #	Paper/Presentation Title
22AC-0007	Optimization And Analysis Of Temperature Distribution In Monel-Copper Joints In Rotary Friction Welding
22AC-0024	Optical Black Coatings On Carbon Fiber Reinforced Composite Sandwich Structure With Aluminum Honeycomb Core For Satellites Applications.
22AC-0027	Next-Gen Maintenance Framework for Urban Air Mobility Vehicles
22AC-0030	A hybrid sensor-fusion system to locate the Electric gridlines by UAV for range extension in Urban areas
22AC-0031	OS Independent Tool Qualification in Safety Critical Systems
22AC-0037	Tuning of blade natural frequencies outside high excitation region by using Ceramic Particle Reinforced Composite Materials for a typical Gas Turbine Engine Compressor Blade
22AC-0041	SRGAN-TQT, an Improved Motion Tracking Technique for UAVs with Super-Resolution Generative Adversarial Network (SRGAN) and Temporal Quad-Tree (TQT)
22AC-0046	Design and Computational Investigations of Aerobot for Titan with maneuverability using momentum wheel and propeller equipped with droppable weather stations
22AC-0049	Connected IGGS With Real Time Data Access & AI-ML Approach For Predictive-Prognostics Maintenance
22AC-0068	Characterization of clearances and its optimization for vibration control of linear hydraulic Actuators
22AC-0072	Modeling nonlinearities and predicting contact nonlinearity behavior in vibration problems using FE analysis
22AC-0073	Methodology for performing submodel analysis for random vibration problems using modal analysis results
22AC-0079	Additive Manufacturing of Threaded Parts for Aerospace applications
22AC-0082	Effect of Varying Diffuser vane height on CC3 NASA 4:1 Centrifugal Stage Performance
22AC-0084	Modeling and Dynamic Analysis of a Self-Regulating Valve
22AC-0089	SMART Manufacturing with Augmented Reality
22AC-0090	Non-parametric Optimization of Heat Sinks for Power Dense Motor Controllers

Paper #	Paper/Presentation Title
22AC-0099	Requirements to code review bot for safety critical software
22AC-0104	An Autonomous Ground Based Multi Sensor Data Fused TDR Prediction and Monitoring System
22AC-0110	Reliability Apportionment Using Quality Function Deployment
22AC-0115	Medicinal Delivery Operation using blockchain enabled Unmanned Aircraft Systems
22AC-0117	Mathematical Modeling & Simulation of Thermal Heat Load for Cabin & Cockpit of Aerial Vehicle
22AC-0123	Autonomous UAV solution for ecological mapping and surveillance.
22AC-0127	Resilient navigation platform to enabling secure & safe BVLOS navigation UAS operations
22AC-0133	PHM system with comprehensive data analytics to provide localized reasoning for a failure prediction
22AC-0139	Operating the Navigation Database Server from Ground Station
22AC-0144	Temperature Estimation Of Electric Motors Of Electric Actuators
22AC-0149	Research on the Performance of Composite Cantilever Beam Under Special Environmental Condition
22AC-0153	A Framework for Teaching Safety Critical Control and Artificially Intelligent Systems to Undergrads
22AC-0158	Design and Simulation of Isolated AC-DC Flyback Conversion System for High Energy Ignition Unit of Gas Turbine Engine
22AC-0171	Artificial Intelligence in Air Cargo System

Authors are requested to study the notification email and complete the actions indicated in the notification email to confirm the inclusion of the paper in the conference. The conference Program Committee reserves the right to exclude a paper from presentation/ proceedings if one or more of the indicated actions are not completed per instructions and per required timelines. In case of non-receipt of email notification, please contact the conference committee at the earliest (Email: aerocon@saeindia.org).

2 Rejected papers

Papers not listed above in section 1 have not been accepted. Review comments are made available in MyTechZone against the submission. The Technical Committee thanks the authors for the submission, and hopes that the authors will consider attending AeroCON 2022. The conference program includes plenary sessions from speakers of international repute, technical paper presentations, invited talks, panel discussions, and much more

3 Accepted presentations (Oral only)

Below are the list of accepted presentations (oral only). Authors are requested to study the notification email and complete the actions indicated in the notification email to confirm the inclusion of the presentation in the conference.

#	Presentation Title
22AC-0018	Robust Design of Aero Engine Installation Components
22AC-0134	Vibration frequency of cantilever beam using Harris corner detection method
22AC-0097	System of Systems Modelling to empower decision makers in drone based services - an application in Agriculture