



Paper/Presentation Title	Lead Author First Name	Lead Author Employer Name	Other authors and Employer names	Employer Name
Characterization of clearances and its optimization for vibration control of linear hydraulic Actuators	Pavan Kumar	Collins Aerospace	Vimal Tirupati	Collins Aerospace
			Subrahmanyam Veerarapu	
TEMPERATURE ESTIMATION OF ELECTRIC MOTORS OF ELECTRIC ACTUATORS	Krishna Kumar	Collins Aerospace	Suresh Talore	Collins Aerospace
			Amol Navadkar	
Medicinal Delivery Operation using blockchain enabled Unmanned Aircraft Systems	Dinesh	UCAL Fuel Systems Ltd	None	
OPTIMIZATION AND ANALYSIS OF TEMPERATURE DISTRIBUTION IN MONEL-COPPER JOINTS IN ROTARY FRICTION WELDING	Marimuthu	NIT Trichy	Balasubramanian K.R	NIT Trichy
			Chandradass J	SRM Institute Of Science And Technology
Optical Black Coatings On Carbon Fiber Reinforced Composite Sandwich Structure With Aluminum Honeycomb Core For Satellites Applications.	Sudharshan	Presidency University	P Harsh Chaurasia	Presidency University
			RAMESH SURYANARAYANA	
Tuning of blade natural frequencies outside high excitation region by using Ceramic Particle Reinforced Composite Materials for a typical Gas Turbine Engine Compressor Blade	Ravi	Infosys Limited	Sreedhar Kari	Infosys Limited
Research on the Performance of Composite Cantilever Beam Under Special Environmental Condition	Md Helal	Chandigarh University	Dharmahinder Singh	Chandigarh University
			Gurmail Singh Malhi	
A hybrid sensor-fusion system to locate the Electric gridlines by UAV for range extension in Urban areas	Lokendra Pavan Kumar	ZF - TRW	Srujan Enagandula	ZF - TRW
			Sandeepkumar Manoharan	
Next-Gen Maintenance Framework for Urban Air Mobility Vehicles	Sandeep	Honeywell Technology Solution Lab	Murali Kadeppagari	Honeywell Technology Solution Lab
			Imtiaz Elahi	
			Renju Panicker	
Additive Manufacturing of Threaded Parts for Aerospace applications	Dr. Kishora	Boeing International Corp India Pvt Ltd	Harsha Ramachandra Murthy	Boeing International Corp India Pvt Ltd
Design and Computational Investigations of Aerobot for Titan with maneuverability using momentum wheel and propeller equipped with droppable weather stations	Manoj Kumar	Kumaraguru College of Technology	Haribalan Saravana Mohan,	Kumaraguru College of Technology
			Sabari Thangavel,	
			Vijayanandh Raja,	
			Raj Kumar Gnanasekaran,	
Modeling nonlinearities and predicting contact nonlinearity behavior in vibration problems using FE analysis	Pavan Kumar	Collins Aerospace	Subrahmanyam Veerarapu	Collins Aerospace
			Subrahmanyam Veerarapu	
Methodology for performing submodel analysis for random vibration problems using modal analysis results	Pavan Kumar	Collins Aerospace	Subrahmanyam Veerarapu	Collins Aerospace
Modeling and Dynamic Analysis of a Self-Regulating Valve	Manoj Kumar	HCL Technologies, Ltd.	Sunil Chandregowda	HCL Technologies, Ltd.
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Non-parametric Optimization of Heat Sinks for Power Dense Motor Controllers	Divyanshu	Eaton India Innovation Center	Sauradeep Datta	Eaton India Innovation Center
			Kishor Borkar	
Mathematical Modeling & Simulation of Thermal Heat Load for Cabin & Cockpit of Aerial Vehicle	Saurabh	Subros Limited	Yogendra Singh Kushwah	Subros Limited
Design and Simulation of Isolated AC-DC Flyback Conversion System for High Energy Ignition Unit of Gas Turbine Engine	Abarna	Gas Turbine Research Establishment GTRE	Poonam Kumari	Gas Turbine Research Establishment GTRE
			Vishwanatha AN	

Reliability Apportionment Using Quality Function Deployment	Vijay	Eaton India Innovation Center	Nagaraju Soma	Eaton India Innovation Center
Resilient navigation platform to enabling secure & safe BVLOS navigation UAS operations	Sri Purusai	infiniDome	Omer Sharar	infiniDome
OS Independent Tool Qualification in Safety Critical Systems	Shashi	Honeywell Technology Solutins Lab Pvt	Ganesh Kumar Manchala	Honeywell Technology Solutins Lab Pvt
			Madhuri Eswaran	
			Komalatha Channamallu	
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Effect of Varying Diffuser vane height on CC3 NASA 4:1 Centrifugal Stage Performance	Shailesh	Honeywell Technology Solution Lab	Hasham Chougule	Honeywell Technology Solution Lab
			Qizar Abdullah	
			Shraman Goswami	
Robust Design of Aero Engine Installation Components	Sreedhar Kari	Infosys Limited	Ravi Kumar	Infosys Limited
SRGAN-TQT, an Improved Motion Tracking Technique for UAVs with Super-Resolution Generative Adversarial Network (SRGAN) and Temporal Quad-Tree (TQT)	Deeptej	Manipal Institute of Technology, Manipal	Sagar Acharya	Manipal Institute of Technology, Manipal
			Suryansh Aryan	
CONNECTED IGGS WITH REAL TIME DATA ACCESS & AI-ML APPROACH FOR PREDICTIVE-PROGNOSTICS MAINTENANCE	Naveen	Honeywell Technology Solutins Lab. Pvt	Shivaprasad Kotnadh	Honeywell Technology Solutins Lab. Pvt
			Arvind MorkondaHaribapu	
			Rajesh Kanneboyina	
			Manjunatha Rao	
Requirements to code review bot for safety critical software	Shadab	Honeywell Technology Solutions Lab. Pvt	M Kameshwari Prasad	Honeywell Technology Solutions Lab. Pvt
			Bhavana Mohan Taggarsari	
PHM system with comprehensive data analytics to provide localized reasoning for a failure prediction	Ajay	Goodrich Aerospace Services Pvt, Ltd.	None	
A Framework for Teaching Safety Critical Control and Artificially Intelligent Systems to Undergrads	Yogananda	Honeywell Technology Solutions Lab.	Ramakrishnan Raman	Honeywell Technology Solutions Lab.
Artificial Intelligence in Air Cargo System	Venkatesh	Collins Aerospace	Sayooj Adavalath Puthiyaveettil	Collins Aerospace
			Vinayak Vijaya chandran	
			Vishnu Gopan	
Vibration frequency of cantilever beam using Harris corner detection method	Lokendra Singh	IIT Mandi	None	
SMART Manufacturing with Augmented Reality	Parimal	Collins Aerospace	None	
Autonomous UAV solution for ecological mapping and surveillance.	Monisha	National Institute Of Technology Agarta	Keerthana Neigapula	National Institute Of Technology Agarta
			Sumit Anand	
			Anawil Tiwari	
			Siddharth Kumar	
System of Systems Modelling to empower decision makers in drone based services - an application in Agriculture	Mittal	BlueKei Solutions Pvt. Ltd.	Stueti Gupta	BlueKei Solutions Pvt. Ltd.
Operating the Navigation Database Server from Ground	Sudheer	Collins Aerospace	None	