



AOSEC 2023

Asia Oceania Systems Engineering Conference

Theme: Digitalization for engineering Complex Systems

11th - 14th October, 2023 | HAL Management Academy Auditorium, Bengaluru



Main Conference Day 1 - Thursday, 12 October 2023

Time	Session			
9 AM - 10:15 AM	<p align="center">Main Hall</p> <p align="center"><i>Inaugural Address</i></p> <p align="center"><i>Dr. Abhay A. Pashilkar, Director, CSIR-National Aerospace Laboratories; AOSEC 2023 Conference Chair</i></p> <p align="center"><i>Steve Records, INCOSE Executive Director</i></p> <p align="center"><i>Chief Guest Address: Mr. Jayadeva E P, Director (Operations), Hindustan Aeronautics Limited</i></p>			
10:15 AM - 11 AM	<p align="center"><i>Keynote Address: Mr. Adishesha C S, Director - Technology & Innovation, Collins Aerospace</i></p>			
11 AM - 11:30 AM	<p align="center">High Tea & Networking</p>			
11:30 AM - 12:45 PM	Pragati	Main Hall	Prerana	Pratibha
	Automotive	Aerospace	Digital Engineering	Medical and others
	<p>Modelling Systems with Intangible Boundaries Using SysML: An Automotive Feature Modelling Guideline</p> <p><i>Ruturaj Digraskar, Dhirendra Singh, Shruti Raje and Mudit Mittal</i></p>	<p>Model-Based Approach for the Indigenous Civil Aircraft Digital Anti-Skid Brake Management System (DASBMS) – Adopting the Systems Engineering</p> <p><i>Manju Nanda, Alexander Kale, Viswanathan S, Shamsundar Dhage, Ganesh Madhuranath, Pradeep Kumar B and Shrilatha Acharya</i></p>	<p>Digital Threads – benefits, challenges and best practices</p> <p><i>Eran Gery</i></p>	<p>Teaching Model Based System Engineering – A Banking Benchmark Problem</p> <p><i>Aditya Jeppu, Azra Nasreen and Mudit Mittal</i></p>



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	Design toolchain for automotive E/E architecture exploration <i>Jean-Baptiste Laurent, Julien Richefeu and Bruno Monsuez</i>	System Engineering Approach for Development of Flight Control Actuators and Hydraulic System Simulation Model for a Modern Stealth Fighter <i>Tanveer Ahmad Rubani and Kiran Kumar M</i>	Adopting MBSE with True Business Value in Client Context <i>Prashant Chouhan and Nishant Mehta</i>	Utilizing MBSE for disposable intravenous infusion set: A case study on systems thinking in medical device industry <i>Ashish Mehta, Mohammed Mehtab Khan, Akshay Vidap, Ankita Jawale and Manjunath Mangumali</i>
	Architecture-Centric Model-Based Systems Engineering at Continental <i>Enrico Seidel and Marco Forlingieri</i>	System of Systems Modeling for Urban Air Mobility Concept <i>Dhirendra Singh</i>	Connect Product & Enterprise Architecture Thanks To Digital & Systems Thinking Combination <i>Ganesh Chavan and Pierre-André Vandelle</i>	Design and Dynamic analysis of Artificial Heart Model <i>Ambarish Narayanaswamy and Dr. Hanumantharaju H G</i>
	Lunch			
12:45 PM - 1:45 PM				
1:45 PM - 3 PM	Pragati	Main Hall	Prerana	Pratibha
	Automotive	Aerospace	Digital Engineering	Medical and others
	Approach to Evaluation of Alternative System Architectures <i>Payal Parate and Naveen Alle</i>	Risk Investigation of Navigational Configuration towards Design Adequacy for Airworthiness of Military UAV <i>Aditya Kumar Mishra, Dr Mathews P Samuel and L N Raghavendra</i>	Engineering Sustainable System of Systems: A Holistic Approach for a Brighter Future <i>Marco Forlingieri and Andreas Gschwind</i>	System Engineering Approach on IGTS-Patient Support (Tables) <i>Sharad Rayguru and Rahul Dhokale</i>
A Benchmark Example of Intelligent Traffic Management System using Artificial Intelligence	Digitalization for Engineering Aerospace Systems - case study from Airbus	Digital Thread Development for end to end traceability of smart glazing system	System Impact & Analysis on Preventive Maintenance on IQ	



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	<i>Jyothi Priya R, Prameela Paramasivam, Thava Bharathi Kanagaraj and Sivasankari Paramasivan</i>	<i>Nitish Saroj Kumar and Srivats Srinivasan</i>	<i>Rathish Arumugam, Jayaarun Prasanth, Tanmay Dubey, Mudit Mital and Stueti Gupta</i>	<i>Sharad Rayguru and Rene Os Van</i>
	INCOSE's Technical Working Group Info: Systems Engineering Quality Management (SEQM), Configuration Management (CM), and Complex Systems (CS) <i>Aryes Lahiry</i>	MDSE based Framework for Cloud Migration <i>Suresh Padmanabhan, Lokesh Katiyar and Gaurav T Sanjay</i>	MBSE from concept to implementation with Harmony MBE <i>Eran Gery</i>	INCOSE Session <i>TBD</i>
	High Tea & Networking			
3 PM - 3:20 PM	High Tea & Networking			
	Sponsors Lightning Round, Main Hall			
3:15 PM - 4:45 PM	Intercax, Mathworks, Trident, Capella, IBM, CADFEM			
	Keynote Address: Ms. Tamara Hambrick, Deputy Functional Chief Engineer of Digital and Systems Engineering, Boeing			
4:45 PM - 5:20 PM	Keynote Address: Ms. Tamara Hambrick, Deputy Functional Chief Engineer of Digital and Systems Engineering, Boeing			
	Closing Talk (Summary, Quiz)			
5:20 PM - 5:30 PM	<i>Dr. Yogannanda Jeppu, Fellow, Honeywell; AOSEC 2023 Conference Co-Chair</i>			
	Conference Dinner and Cultural Event			
7:30 PM - 10 PM	Conference Dinner and Cultural Event			