



# AOSEC 2023

## Asia Oceania Systems Engineering Conference

*Theme: Digitalization for engineering Complex Systems*

11<sup>th</sup> - 14<sup>th</sup> October, 2023 | HAL Management Academy Auditorium, Bengaluru



### Conference Day 1 - Thursday, 12 October 2023

Start Time	End Time	Total time	Agenda	Location	Speakers
9:00 AM	9:15 AM	00:15	Invite talk and Lamp Lighting	Main hall	-
9:15 AM	9:45 AM	00:30	<i>Keynote -1 [Chief guest address]</i>	Main hall	-
9:45 AM	10:30 AM	00:45	<i>Keynote -2</i>	Main hall	-
10:30 AM	11:15 AM	00:45	<i>Keynote -3</i>	Main hall	-
11:15 AM	11:45 AM	00:30	<b>High Tea</b>		-
11:45 AM	12:10 PM	00:25	<i>Modelling Systems with Intangible Boundaries Using SysML: An Automotive Feature Modelling Guideline</i>	Hall 1	<i>Ruturaj Digraskar, Dhirendra Singh, Shruti Rajee and Mudit Mittal</i>
			<i>Model-Based Approach for the Indigenous Civil Aircraft Digital Anti-Skid Brake Management System (DASBMS) – Adopting the Systems Engineering</i>	Hall 2	<i>Manju Nanda, Alexander Kale, Viswanathan S, Shamsundar Dhage, Ganesh Madhuranath, Pradeep Kumar B and Shrilatha Acharya</i>
			<i>Digital Threads – benefits, challenges and best practices</i>	Hall 3	Eran Gery

			<i>Teaching Model Based System Engineering – A Banking Benchmark Problem</i>	<i>Hall 4</i>	Aditya Jeppu, Azra Nasreen and Mudit Mittal
12:10 PM	12:35 PM	00:25	<i>Design toolchain for automotive E/E architecture exploration</i>	<i>Hall 1</i>	<i>Jean-Baptiste Laurent, Julien Richefeu and Bruno Monsuez</i>
			<i>System Engineering Approach for Development of Flight Control Actuators and Hydraulic System Simulation Model for a Modern Stealth Fighter</i>	<i>Hall 2</i>	<i>Tanveer Ahmad Rubani and Kiran Kumar M</i>
			<i>Adopting MBSE with True Business Value in Client Context</i>	<i>Hall 3</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>	<i>Hall 4</i>	Ashish Mehta, Mohammed Mehtab Khan, Akshay Vidap, Ankita Jawale and Manjunath Mangumali
12:35 PM	1:00 PM	00:25	<i>Architecture-Centric Model-Based Systems Engineering at Continental</i>	<i>Hall 1</i>	<i>Enrico Seidel and Marco Forlingieri</i>
			<i>System of Systems Modeling for Urban Air Mobility Concept</i>	<i>Hall 2</i>	<i>Dhirendra Singh</i>
			<i>CONNECT PRODUCT &amp; ENTERPRISE ARCHITECTURE THANKS TO DIGITAL &amp; SYSTEMS THINKING COMBINATION</i>	<i>Hall 3</i>	Ganesh Chavan and Pierre-André Vandelle
			<i>Design and Dynamic analysis of Artificial Heart Model</i>	<i>Hall 4</i>	Ambarish Narayanaswamy and Dr. Hanumantharaju H G
1:00 PM	2:00 PM	01:00	<b>Lunch</b>		
2:00 PM	2:25 PM	00:25	<i>Approach to Evaluation of Alternative System Architectures</i>	<i>Hall 1</i>	<i>Payal Parate and Naveen Alle</i>
			<i>Risk Investigation of Navigational Configuration towards Design Adequacy for Airworthiness of Military UAV</i>	<i>Hall 2</i>	<i>Aditya Kumar Mishra, Dr Mathews P Samuel and L N Raghavendra</i>

			<i>Engineering Sustainable System of Systems: A Holistic Approach for a Brighter Future</i>	Hall 3	Marco Forlingieri and Andreas Gschwind
			<i>Systems Engineering and Safety Assurance for Project Manager</i>	Hall 4	Miran Mukerji
2:25 PM	2:50 PM	00:25	<i>A Benchmark Example of Intelligent Traffic Management System using Artificial Intelligence</i>	Hall 1	Jyothi Priya R, Prameela Paramasivam, Thava Bharathi Kanagaraj and Sivasankari Paramasivan
			<i>Digitalization for Engineering Aerospace Systems - case study from Airbus</i>	Hall 2	Nitish Saroj Kumar and Srivats Srinivasan
			<i>Digital Thread Development for end to end traceability of smart glazing system</i>	Hall 3	Rathish Arumugam, Jayaarun Prasanth, Tanmay Dubey, Mudit Mital and Stueti Gupta
			<i>System Engineering Approach on IGTS-Patient Support (Tables)</i>	Hall 4	Sharad Rayguru and Rahul Dhokale
2:50 PM	3:15 PM	00:25	<i>Enhancing Operator Visibility and Safety in Agricultural Machinery using LIN-based Programmable Wipers, Smart Calibration Technique and Rain Sensing Algorithm</i>	Hall 1	Rajeev Rao, Ashwini Jadhav and Pradnya Muchandi
			<i>MDSE based Framework for Cloud Migration</i>	Hall 2	Suresh Padmanabhan, Lokesh Katiyar and Gaurav T Sanjay
			<i>MBSE from concept to implementation with Harmony MBE</i>	Hall 3	Eran Gery
			<i>System Impact &amp; Analysis on Preventive Maintenance on IQ</i>	Hall 4	Sharad Rayguru and Rene Os Van
3:15 PM	3:45 PM	00:30	<b>High Tea</b>		-
3:45 PM	4:45 PM	01:00	<i>Sponsors Lightning round</i>	Main hall	-
4:45 PM	5:15 PM	00:30	<i>Closing Keynote</i>	Main hall	-
5:15 PM	5:30 PM	00:15	<i>Closing Talk (Summarize, Goodies, Quiz)</i>		-

7:30 PM	10:00 PM		<b>Dinner / Cultural Event</b>		-
10:00 PM	10:15 PM	00:15		Main hall	-