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SACINDIATM



Theme: Engineering the future: Mobility & Next gen Industries



24 - 25 April, 2026



Holiday Inn Chennai OMR IT Expressway Hotel

PROGRAM OVERVIEW



ECOSYSTEM PARTNER



TECHNOLOGY PARTNER



**NATIONAL RESEARCH
DEVELOPMENT CORPORATION**

An Enterprise of DSIR
Ministry of Science and Technology, Govt. of India

INVITATION

MESSAGE TO ATTEND

WELCOME TO MBSE SUMMIT 2026, CHENNAI

Chennai stands as one of India's foremost engineering and industrial ecosystems, bringing together automotive, aerospace, defence, manufacturing, IT, global technology leaders, engineering services organizations, and software/technology providers. Backed by globally recognized academic institutions and a strong research culture, the city provides an ideal platform for meaningful dialogue, innovation, and collaboration in Systems Engineering and Model-Based Systems Engineering (MBSE).

MBSE Summit 2026 will bring together industry leaders, practitioners, researchers, academia, and policymakers from across domains to exchange insights, share best practices, and explore the evolving role of MBSE in addressing real-world system complexity. The summit will feature expert keynote sessions, technical tracks, panel discussions, and networking opportunities, fostering rich engagement within the systems engineering community.

We warmly invite you to join us in Chennai and be part of this forward-looking platform that aims to strengthen collaboration, innovation, and knowledge exchange in the MBSE ecosystem.

We look forward to welcoming you to MBSE Summit 2026, Chennai.

Warm regards,

INCOSE India

MBSE Summit 2026 Organizing Committee

ECOSYSTEM PARTICIPATION

WELCOME TO MBSE SUMMIT 2026, CHENNAI

The MBSE Summit 2026 brings together a diverse ecosystem of OEMs, engineering service providers, technology organizations, research institutions, and academia—creating a platform for cross-industry collaboration and knowledge exchange.

WHAT THEY ARE SHARING

- Scaling Model-Based Systems Engineering (MBSE)
- Digital thread & lifecycle integration
- Cross-domain applications (mobility, aerospace, industrial)
- AI & GenAI-enabled engineering transformation
- Real-world implementation challenges & lessons learned

INCOSE INDIA COMMITTEE 2025 - 2027



Prasanna Ramamurthy
President



Sharad Rayaguru
Secretary



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MBSE SUMMIT 2026

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Mr. Mudit Mittal



Mr. Prasanna Ramamurthy



Mr. Sharad Rayguru

MBSE SUMMIT 2026

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ORGANIZING COMMITTEE



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Mr. Akshay Vidap



Mr. Gaurav Dubey



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Ms. Nivetha



Ms. Swetha

MESSAGE FROM INCOSE LEADERS

MR. MIKE WATSON, INCOSE PRESIDENT

I am excited to attend the INCOSE MBSE Summit. This event is a great focus on the practice of Model Based Systems Engineering (MBSE). MBSE provides essential tools to the systems engineer to understand the system and system design. This Summit will be a fantastic learning and knowledge growth opportunity for those in attendance!

MR. STEVE RECORDS, INCOSE EXECUTIVE DIRECTOR

The INCOSE India MBSE Summit is a perfect example of how INCOSE is leading the development of our discipline and SE practitioners. This event embodies our work as the Trusted Authority in the systems community.

MR. DAVID A. LONG, ESEP, FORMER INCOSE DIRECTOR, STRATEGIC INTEGRATION

Model-based systems engineering is essential as we strive to address the complexity of today and tomorrow. Should we fail to implement it properly, rather than making a journey to progress, we will find ourselves on the path to ruin. Forums such as the MBSE Summit are essential to our successful advancement as practitioners and as a discipline.

MESSAGE FROM CONFERENCE BOARD

DR. DEVANANDHAM HENRY, PH.D. SYSTEMS ENGINEERING - PRACTITIONER, RESEARCHER, EDUCATOR, CONSULTANT

With humble beginnings while the entire world was under lockdown, the MBSE Summit has evolved into INCOSE India's flagship event. Whether you live and breathe Systems Engineering (SE) / MBSE or are just beginning to take a nibble and are curious to know more, the 7th edition of the MBSE Summit in Chennai is the place to be.

Most of the organizations and institutions in India that take SE seriously are going to be there - from the big guns to the newbies. Hearing from them, engaging in conversations, and making new connections are all part of the valuable and enriching experience that awaits everyone who attends.

DR NIKHIL JOSHI, ENTERPRISE ARCHITECT, HCL TECHNOLOGIES LIMITED

The growing complexity of today's products and services necessitates consideration of interdependencies across disciplines, and emergence at various levels of abstraction. The world needs better ways to model, communicate and analyse these complexities. The MBSE summit provides an excellent opportunity to system architects and practitioners in India to convene and learn from each other, and experts from around the world.

DR. RAMAKRISHNAN RAMAN, ESEP, SENIOR CHIEF ENGINEER & FELLOW - EATON, INCOSE FELLOW, CO-CHAIR - INCOSE AI SYSTEMS WORKING GROUP

MBSE Summit 2026 comes at a critical juncture where modern system complexity, digital transformation, and AI integration demand more rigorous, model-centric approaches to system design and assurance. I see this summit as an essential platform for aligning technology, talent, and transformation to drive the future of next-generation systems engineering. I expect it to catalyze meaningful dialogue on scaling MBSE adoption and strengthening its role in shaping next-generation, safety-critical systems.

MESSAGE FROM CONFERENCE CHAIR

MR. PRASANNA RAMAMURTHY, TECHNICAL FELLOW – SYSTEMS ENGINEERING, CONNECTED AVIATION SOLUTIONS COLLINS AEROSPACE

The MBSE Summit – a flagship annual conference of INCOSE India chapter has been growing leaps and bounds in its reach and impact every year. The 2026 edition of MBSE Summit happening in Chennai is a special one for this is the first India chapter event conducted outside our traditional strongholds – Bengaluru, Hyderabad and Pune and also the first one to be focused on mobility and automotive industry. With 200+ delegates and 40+ eminent speakers and panelists across the industrial spectrum including automotive, transportation, aerospace and healthcare and geographies covering Chennai and all over India, the response garnered by this edition of MBSE Summit is simply exceptional. I look forward for insightful conversations on the trends, challenges and innovative practices in MBSE adoption especially in the automotive and mobility industry. I am confident that this event would mark the beginning of INCOSE India chapter's mission to promulgate and promote systems thinking, systems engineering practices and MBSE adoption across India going beyond our base cities supporting "Atmanirbhar Bharat" (Self-reliant India) and "Viksit Bharat" (Developed India) missions of Government of India. I wish the organising committee of MBSE Summit 2026 all the very best for a successful event.

MESSAGE FROM CONFERENCE CHAIR

MR. SHARAD RAYGURU, CSEP, PRODUCT OWNER, MDC, PHILIPS

It is an honor to welcome you to the MBSE Summit 2026 in Chennai, a defining platform for advancing Model-Based Systems Engineering and shaping the future of our discipline.

At a time when systems are becoming increasingly complex, MBSE is not optional, it is essential. This summit brings together global thought leaders, industry pioneers, and practitioners to drive innovation, enable transformation, and build a stronger, more connected systems engineering community.

Chennai stands as a testament to India's growing leadership in this space, and this gathering reflects our collective ambition to lead, not follow, in the evolution of systems engineering.

I extend my deepest appreciation to our speakers, sponsors, volunteers, and organizing team for their unwavering commitment. Together, we are not just hosting a summit, we are shaping the future.

I invite you to engage deeply, collaborate boldly, and leave inspired to make a lasting impact.

PARTICIPATING ORGANIZATIONS

Mahindra University	Eaton	Tata Advanced Systems
Schneider Electric	AUO Mobility Solutions	MathWorks
Inkers Technology	Ford	PCCOE
Airbus India	GE Aerospace	Rane
BlueKei Solutions	GE Health Care	TCS
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A platform to connect, learn, and accelerate MBSE adoption across industries and geographies.

AGENDA (DAY 1)

Time	Session / Activity	Speaker
8:00 AM – 9:00 AM	Registration & Networking	
9:00 AM – 10:10 AM	Lamp Lighting & Invocation	
	Inaugural Notes & Welcome Address	
	INCOSE India Briefing	Mr Prasanna Ramamurthy, CSEP Technical Fellow, Collins Aerospace
10:10 AM – 10:40 AM	Shaping the Future of Systems Engineering - An INCOSE perspective	Mr Mike Watson, President, INCOSE Global
10:40 AM – 11:00 AM	Role of Systems thinking and Systems Engineering in maturing India's startup eco system	Cmde. Amit Rastogi (retd), NRDC Chairman & Managing Director
11:00 AM – 11:30 AM	Morning Tea Break / Networking	
11:30 AM – 12:00 AM	Systems Engineering in Rolling Stock	Mr Ganesha KN, Vice President Technology, Wabtec
12:00 PM – 12:30 PM	Human-Led Agentic AI for Accelerating MBSE Maturity	Mr Anurag Jain, Managing Director, Capability Network, Industry X
12:30 PM – 1:30 PM	Lunch Break / Networking	
1:30 PM – 2:30 PM	Panel Discussion 1 – Transitioning to Software-Defined Systems: Challenges & Opportunities in Modern Mobility	Moderator: Nivetha Sathiyam Panelist: Mr Mike Watson, President, INCOSE Global, Ms Yuthika Patwarthan, Technology head , Functional Safety & Systems Engineering COE, Mobility, TCS Dr. R. Rajkumar, Associate Professor, VIT Chennai Mr Vijay Amrutkar, MBSE Solution Architect, Dassault Systèmes

AGENDA (DAY 1)

Time	Session / Activity	Speaker
2:30 PM – 3:00 PM	GE Healthcare's approach to Digital Systems Engineering	Mr Christopher Unger, Chief Systems Engineer, GE Healthcare, Retired
3:00 PM – 3:25 PM	Afternoon Tea Break / Networking	
3:25 PM – 5:30 PM	Track 1 Automotive and Mobility - Technical Presentations	
	Track 2 Aerospace and Defense- Technical Presentations	
5:30 PM – 6:00 PM	Quiz and prizes, Day 1 summary and key takeaways, Day 2 Announcements	

AGENDA (DAY 2)

Time	Session / Activity	Speaker
9:30 AM – 9:40 AM	Day 1 Recap & Day 2 Kick-off	
9:40 AM – 10:10 AM	Evolution of INCOSE as the “trusted authority of systems engineering”	Mr Steve Records, Executive Director at INCOSE
10:10 AM – 10:40 AM	Engineering Excellence in the AI era	Ms. Stueti Gupta, Secretary, INCOSE Global
10:40 AM – 11:10 AM	Morning Tea Break / Networking	
11:10 AM – 11:40 AM	Adopting MBSE Across Every Evolution of Automotive Technology	Mr. Kiran Jacob, Industry Process Consultant Senior Manager, Dassault Systèmes
11:40 AM – 12:10 PM	Open-Source MBSE in Action: Driving Adoption, Collaboration, and Scalability in Systems Engineering	Mr Ashutosh Sonawane, Bussiness Deveploment Leader - Obeo
12:10 PM – 12:40 PM	Operationalizing AI in MBSE: From Models to Intelligent Engineering Workflows	Mr Ashirbad, ALM & MBSE Expert, Ionidea
12:40 PM – 1:40 PM	Lunch Break / Networking	
1:40 PM – 2:40 PM	Panel Discussion 2: Human-AI Collaboration in Engineering: Skills, Ethics & Decision-Making	Moderator: Swetha Gopinathan Panelists: Mr Steve Records, Executive Director INCOSE, Ms Paduka Kannan, Product Owner, Industrial Intelligence Foundry, TCS Mr Uma Maheshwar, Chief Consulting Engineer - GE Aerospace, Mr Bhavani Shankar, Executive Manager R&D, Efftronics
2:40 PM – 3:10 PM	Why a System Engineer is the right person to design sustainable mobility for the future	Mr Shankar Venugopal, Vice President, Mahindra & Mahindra
3:10 PM – 3:40 PM	Afternoon Tea Break / Networking	

AGENDA (DAY 2)

Time	Duration	Session / Activity	Speaker
3:40 PM – 5:20 PM	100 mins	Track 1 AI and Digital Thread- Technical Presentations	
		Track 2 - Technical Presentations	
5:20 PM – 5:40 PM	20 mins	Closing Remarks : Best Paper Award, D2DC Awards/Certificates, volunteer recognition, sponsor certificates, and an announcement	

PAPERLESS PRESENTATIONS (DAY 1)

Day 1 Track 1 | Venue: Pallava Hall

Time	Duration	Topic	Author(s)
3:25 PM – 3:50 PM	20 mins + 5 mins Q&A	Accelerating Software Defined Vehicles Development Through Integrated MBSE and MBD for Distributed Architectures	Shwetha Bhadravathi Patil, Tanmay Agarawal
3:50 PM – 4:15 PM		Engineering Functional Safety through MBSE: Integrating SysML and ISO 26262 for an Automotive Motor Control Unit	Linga Reddy Kaki, Siva Ganapathi Devireddy
4:15 PM – 4:40 PM		Using an MBSE Approach for the Development of a Wireless EV Charging System	Vikranth Bachugudem, Ajay Krishna R S, Devanandham Henry
4:40 PM – 5:05 PM		Comprehensive case study showcasing Integrated approach using ASPICE mapped Model-Based Systems Engineering for safer Battery Management Systems in Next-Generation Electrified Mobility	Raghavan G, Amruta Karekar, Yutika Patwardhan
5:05 PM – 5:30 PM		Automating Functional Architecture Modeling from Natural Language Requirements Using Local GenAI and MATLAB System Composer	Varun Sontakke, Yutika Patwardhan

Day 1 Track 2 | Venue: Wodeyar Hall

Time	Duration	Topic	Author(s)
3:25 PM – 3:50 PM	20 mins + 5 mins Q&A	Model-Based System Architecture of Aircraft Actuators Using SysML	Vishwanatha Jadhav
3:50 PM – 4:15 PM		Precision Delivery from Model to Mission-Critical Hardware	Vivekkumar Patel, Pratik Joshi, Suneel Santharam
4:15 PM – 4:40 PM		Enabling the Digital Thread: MBSE-driven MDAO and Requirements Verification for Aircraft Development	Surya Prakash Baskaran, Jorge Camacho Casero, Burak Bagdatli and Dimitri Mavris
4:40 PM – 5:05 PM		Integrating Model-Based Systems Engineering with Digital Threads	Suneel Santharam, Pratik Joshi, Anushka Santharam

PAPERLESS PRESENTATIONS (DAY 2)

Day 2 Track 1 | Venue: Pallava Hall

Time	Duration	Topic	Author(s)
3:40 PM – 4:05 PM	20 mins + 5 mins Q&A	From SMART Checks to Semantic Completeness: An Ontology-Driven AI Approach for MBSE	Sharmila K A, Ramakrishnan Raman
4:05 PM – 4:30 PM		A model based AI Framework for Modern SE	Rishab Sekhar Upendra Kumar
4:30 PM – 4:55 PM		Gen AI enabled Dependent Failure Analysis using SysML V2 pipeline for mixed safety criticality SDV Platform architecture	Yutika Patwardhan, Amruta Karekar
4:55 PM – 5:20PM		Connected Mobility Case Study: Modelling Dynamic Interaction Between Human Drivers with Automotive AI Agents	Tushaar Jaiswal, Hema Sankar Reddy Alla, Venkata Jyotsna Kandepu

Day 2 Track 2 | Venue: Wodeyar Hall

Time	Duration	Topic	Author(s)
3:40 PM – 4:05 PM	20 mins + 5 mins Q&A	Integration of models into design and product development	Prabhudutta Dash, Stueti Gupta
4:05 PM – 4:30 PM		MBSE for architecting deployment agnostic IIoT platforms	Anup Lonkar
4:30 PM – 4:55 PM		MBSE for Power and Energy Systems Transition Era	Sathish Laguduvan
4:55 PM – 5:20PM		MBSE-Driven Reference Architecture for ADAS-Enabled Autonomous Mobile Robots: Bridging ISO 3691-4 and ISO 26262	Krishan Tiwari

LEADERSHIP TALKS

INCOSE'S GLOBAL LEADERS AT THE MBSE SUMMIT IN CHENNAI



MICHAEL D. WATSON
PRESIDENT, INCOSE

TOPIC: SHAPING THE FUTURE OF SYSTEMS ENGINEERING – AN INCOSE PERSPECTIVE

Mike Watson, a highly respected leader in systems engineering with decades of experience across defense and space systems. He currently serves as Systems Engineering Director at Leidos Defense Systems Sector, guiding the application and execution of systems engineering across complex programs.

Mike spent 34 remarkable years at NASA, serving as a Technical Advisor in the Advanced Concepts Office at Marshall Space Flight Center, where he shaped the analysis and design of launch vehicles, space transport systems, landers, and scientific spacecraft. He also advanced the systems engineering discipline as part of NASA's Systems Engineering Technology Discipline Team and led the Systems Engineering Research Consortium, contributing to foundational work captured in Engineering Elegant Systems.

He is a prominent leader within INCOSE, chairing the Systems Engineering Principles Action Team and leading the development of the INCOSE Systems Engineering Principles publication. He also leads the Complex Systems Working Group, contributing to A Complexity Primer for Systems Engineers and advancing practical heuristics for engineering complex systems.



STEVE RECORDS
EXECUTIVE DIRECTOR, INCOSE

TOPIC: EVOLUTION OF INCOSE AS THE TRUSTED AUTHORITY OF SYSTEMS ENGINEERING

Steve Records, Executive Director of INCOSE, a global leader in advancing systems engineering practices. With a strong foundation as a chemical engineer and an MBA, Steve brings a unique blend of technical expertise and business acumen.

Over the course of his career, he has held leadership roles across consulting, nonprofit management, sales, and strategy, including serving as COO of SCORE Mentors and Executive Director of GEAPS. Known for building high-performing cultures and driving impact through data-driven decision-making, Steve has consistently led organizations through transformation and growth.

At INCOSE, he is at the forefront of shaping the future of systems engineering, fostering global collaboration, and enabling innovation across industries.



STUETI GUPTA

SECRETARY, INCOSE

ENGINEERING EXCELLENCE IN THE AI ERA

Stueti Gupta, Co-Founder and Director at BlueKei Solutions, and a passionate leader in advancing digital engineering and Model-Based Systems Engineering across the APAC region.

With over 17 years of experience spanning industry and academia, Stueti is dedicated to empowering organizations to build a robust digital engineering foundation across the entire product lifecycle. A strong advocate of systems engineering, she brings deep expertise in integrating engineering data, processes, and decision-making.

Stueti holds advanced degrees from BITS Pilani and Cornell University, along with specialized training in Systems Design and Management from MIT. Beyond her professional work, she is a committed STEM advocate and an active contributor to global communities like INCOSE and the Society of Women Engineers, where she has played a key role in expanding initiatives across India.

CHIEF GUEST



CMDE. AMIT RASTOGI (RETD)

CHAIRMAN & MANAGING DIRECTOR - NRDC

ROLE OF SYSTEMS THINKING AND SYSTEMS ENGINEERING IN MATURING INDIA'S STARTUP ECO SYSTEM

Commodore Amit Rastogi (Retd), is the Chairman & Managing Director of National Research Development Corporation, a Central Public Sector Enterprise under the Ministry of Science and Technology, Govt of India, New Delhi. NRDC is a pioneer and Leading Technology Transfer Organization of India with a Charter to Develop, Promote and Commercialise technologies emanating from R&D institutions.

He holds B.Tech.(Electrical), Masters in Electronics & Tele-Communication and M.Sc. (Defence & Strategic Studies) degrees besides being distinguished alumnus of Defence Services Staff College Wellington and College of Defence Management, Secunderabad. He had an illustrious career in Indian Navy for 34 years wherein he has had diversified experience of serving on Frontline Warships, Naval Dockyard, Naval Headquarters, Missile establishment and Directorate General Quality Assurance etc. During his appointments at senior positions at Naval Headquarters, he had been responsible for induction of State-of-the-art technology-intensive systems through indigenous development and the Transfer of Technology route. Post taking over the reins of NRDC, he has provided the needed leadership in spreading NRDCs footprints by way of establishing Outreach centres at Pune, Guwahati and Bhubaneswar, enhanced Foreign collaborations with USPTO, AARDO, EBTC, JETRO, DKPTO etc., obtained Proud partner status of WIPO Green, augmented infrastructure with enhanced capacity at NRDC Incubation Centre in support of Start-up eco-system, established MOUs with Navratnas, CSIR, MHI, APEDA, Dept of Atomic Energy, Indian Navy and Academia including IISc Bengaluru, IITs, NITs etc.

Pursuant to his efforts to promote Green Technologies through WIPO Green acceleration projects in India, he has achieved the nomination to Core committee of WIPO Green for a period of two years wef 2024. He also steered NRDCs effort in taking the path breaking step of setting up of National Establishment of Technology Readiness Assessment (NETRA) facility, Design Clinic and IP/Technology Valuation vertical. The receipt of IP recognition award 2021, National IP Award-2023, ASSOCHAM 3rd & 4th IP Excellence award in succession, 9th and 10th PSU Governance Award, 'Excellent' grading in Corporate Governance, the launch of tagline "Promoting Innovation Transforming lives" indicates NRDCs quest to excel under his guidance. He is a Yoga practitioner, a keen golfer, pursues photography and is a Randonneur (long distance cyclist).

INDUSTRY LEADERSHIP TALKS



VANITHA VENUGOPAL

CHIEF EXECUTIVE OFFICER, TAMIL NADU TECHNOLOGY HUB (iTNT)

TOPIC: TBD

Vanitha Venugopal, the CEO of Tamil Nadu Technology Hub (iTNT), has a decorated career spanning 25+ years, and a stellar academic background from institutions of high repute globally. She pursued a bachelor's degree in engineering from the College of Engineering, Guindy, complemented by a master's degree in engineering from Ohio and an Executive MBA from Stanford.

"Innovate in Tamil Nadu" and "Build The Future" are the Government of Tamil Nadu's vision through iTNT Hub, which she is building into a first-of-its-kind innovation hub in the country by fostering an ecosystem that actively engages Startups, Innovators, Academia, Industries, Corporates, and the Government. She drives iTNT Hub with the vision of bringing Tamil Nadu into the Top 10 global innovation hotspots.

With an impressive track record in global business, Vanitha has accumulated experience working with renowned Fortune 50 companies. Her corporate experience includes close to a decade with DELL Technologies, where she was the Director for Business Architecture & Transformation, playing a pivotal role in driving business strategy and spearheading digital disruption across multiple industry verticals.

After, returning from the USA to India in 2018, she held leadership positions in various tech companies before her stint with the Government of Tamil Nadu. Prior to shouldering the responsibility as CEO of iTNT Hub, she served as Head of Incubation at Tamil Nadu Startup and Innovation Mission (StartupTN), the Hon'ble Chief Minister's flagship skilling program to bridge the gap between industry & academia.

On a personal front, she is a mom of two kids and a great team player focused on execution, she is known as a go-to-person for her attention to detail and getting things done. Vanitha's leadership, educational qualifications, and diverse experience make her an influential personality in the fields of Technology, Startups, and Government Initiatives, contributing significantly to the growth and development of Tamil Nadu.



CHRIS UNGER

CHIEF SYSTEMS ENGINEER, GE HEALTHCARE, RETIRED

TOPIC: GE HEALTHCARE'S APPROACH TO DIGITAL SYSTEMS ENGINEERING

Chris Unger, former Chief Systems Engineer at GE Healthcare, with over four decades of experience in systems engineering across the defense and medical industries.

Chris has played a pivotal role in shaping and advancing systems engineering practices globally and continues to contribute actively to the community as a member of INCOSE, co-leader of the Healthcare Working Group, and co-founder of the "Systems Engineering in Healthcare" conference. An INCOSE-certified Expert Systems Engineering Professional and Master Black Belt, he holds multiple patents and brings deep expertise in process excellence and innovation. Chris is also the principal at PracticalSE, where he advises organizations on applying systems engineering to complex challenges.



SHANKAR VENUGOPAL

VICE PRESIDENT, MAHINDRA & MAHINDRA

TOPIC: WHY A SYSTEM ENGINEER IS THE RIGHT PERSON TO DESIGN SUSTAINABLE MOBILITY FOR THE FUTURE

Shankar Venugopal, Vice President at Mahindra & Mahindra, where he leads innovation, intellectual property, and knowledge management initiatives driving the future of sustainable mobility.

With over a decade of leadership at Mahindra, he heads the Intellectual Property and Knowledge Management organization and serves as Dean of the Mahindra Technical Academy, fostering technical excellence and an innovation-driven culture. A prolific inventor with more than 35 international and Indian patents, Shankar brings deep expertise in innovation management, strategic technology planning, and R&D leadership.

Working at the intersection of industry and deep-tech innovation, he continues to shape transformative ideas into impactful solutions for the future of mobility.



ANURAG JAIN

ACCENTURE

TOPIC: HUMAN-LED AGENTIC AI FOR ACCELERATING MBSE MATURITY

Anurag, a leading industry consultant in the circular economy of product engineering and lifecycle management. With over three decades of global experience across the entire industry value chain, he brings deep expertise and a truly holistic perspective to engineering transformation.

Anurag is known for his strong focus on research and thought leadership, helping organizations build future-ready and sustainable solutions. He firmly believes that while business models continue to evolve rapidly, engineering remains at the core of driving meaningful and lasting change.

In his role as an Industry Advisor, spanning digital advocacy and hands-on consulting, he has successfully led large-scale transformation programs. His leadership experience across people, processes, technology, and transformation pathways has enabled organizations to navigate complexity and achieve impactful outcomes.

SPONSORSHIP TALKS



KIRAN JACOB

SOLUTION CONSULTANT SENIOR MANAGER, DASSAULT SYSTEMS

TOPIC: ADOPTING MBSE ACROSS EVERY EVOLUTION OF AUTOMOTIVE TECHNOLOGY

Kiran Jacob, an INCOSE Certified Systems Engineering Professional with over 20 years of experience driving Model-Based Systems Engineering and digital engineering transformation across industries including Automotive, Aerospace & Defense, Energy, Marine, and High-Tech.

Currently a Senior Manager and Industry Process Consultant at Dassault Systèmes, he specializes in helping organizations optimize engineering processes, implement integrated MBSE solutions, and accelerate innovation. With strong expertise in solution architecture, consultative engagement, and end-to-end project delivery, he bridges business needs with technical excellence to deliver measurable impact.

His deep knowledge of systems engineering standards, modeling, and digital transformation enables organizations to adopt next-generation engineering practices with confidence.



ASHUTOSH SONAWANE

OBEO

TOPIC: OPEN-SOURCE MBSE IN ACTION: DRIVING ADOPTION, COLLABORATION, AND SCALABILITY IN SYSTEMS ENGINEERING

Ashutosh Sonawane, a seasoned leader in Sales and Business Development with over a decade of experience at the intersection of engineering, digital transformation, and business strategy.

Currently leading Business Development for India at Obeo, he is driving the adoption of Model-Based Systems Engineering using platforms like Capella and SysON, working closely with government, defence, aerospace, and enterprise organizations. His work focuses on building markets, scaling strategic accounts, and enabling organizations to embrace digital engineering for complex systems.

With prior experience at Hexagon Manufacturing Intelligence, where he contributed to significant business growth across industries, he brings a strong blend of technical insight and commercial acumen.

Passionate about innovation, ecosystem development, and emerging technologies, he continues to play a key role in shaping the future of MBSE and digital engineering.



GANESHA KOGGU NAIK

VICE PRESIDENT – TECHNOLOGY- MECHANICAL COE, WABTEC CORPORATION, INDIA

TOPIC: SYSTEMS ENGINEERING IN ROLLING STOCK

Ganesha leads the Mechanical Technology Center of Excellence for Wabtec's Freight Equipment and Services business. In this role, he heads global engineering teams based at the Wabtec India Technology & Engineering Center (WITEC), Bangalore, and other international locations. His organization delivers end-to-end engineering across mechanical design, simulation and analysis, product definition (3D/2D), PLM and configuration management, technical publications, and locomotive validation.

With over two decades at Wabtec, Ganesha has held leadership and technical roles across diesel engine engineering, systems engineering, transit engineering, RAMS, and mechanical technology. Notably, he led the development of Wabtec's first clean-sheet high-speed diesel engine for locomotive applications. Prior to joining Wabtec, he spent more than nine years at the Ashok Leyland Engine R&D Center.

Ganesha is a certified Six Sigma Black Belt, Certified Reliability Practitioner, and FastWorks coach. He holds two patents and has received several engineering and management awards during his career. He earned a Master of Science in Mechanical Engineering from Gannon University (Pennsylvania, USA) and a bachelor's degree in mechanical engineering from SJCE, University of Mysore.

Based in Bangalore, Ganesha enjoys spending time with his family and pursuing hobbies such as reading, gardening, nature and bird watching, stargazing, and photography.



ASHIRBAD DASH

ALM & MBSE EXPERT, IONIDEA

TOPIC: TBD

Ashirbad Dash, a seasoned systems and software engineering professional with over two decades of experience across the full engineering lifecycle—from requirements and design to implementation and testing.

With deep expertise spanning industries such as Aerospace & Defense, Automotive, Railways, Healthcare, and Banking, he has been extensively involved in delivering MBSE, ALM, and PLM-based solutions, bridging complex engineering processes with advanced digital tools.

He brings strong hands-on experience with leading platforms from IBM, Siemens, PTC, Dassault, and Atlassian, along with a proven ability to integrate diverse engineering ecosystems to enable seamless data flow and improved collaboration.

Driven by a passion for engineering excellence and digital transformation, he continues to help organizations adopt best-in-class MBSE and lifecycle management practices.

PANEL DISCUSSIONS – PRACTITIONER PERSPECTIVES

Panelists:

- Paduka Kannan (TCS)
- Yuthika Patwardhan (TCS)
- Uma Maheshwar D (GE Aerospace India)
- Maruti Sairam (DRDO)
- Mike Watson (President, INCOSE Global)
- Steve Records (Executive Director INCOSE)
- Bhavani Shankar Surabhi (efftronics)
- Vijay Amrutkar (Dassault Systèmes)

Themes:

- Scaling MBSE across enterprises
- AI in systems engineering workflows
- Managing multi-domain system complexity
- Lessons from transformation programs



YUTHIKA PATWARDHAN

HEAD, FUNCTIONAL SAFETY & MBSE COE (AUTOMOTIVE ELECTRONICS), AT TATA CONSULTANCY SERVICES

Yuthika Patwardhan is a seasoned automotive engineering leader and currently heads the Functional Safety and MBSE Center of Excellence at Tata Consultancy Services. With over 23 years of experience in embedded and automotive systems, she brings deep expertise in functional safety, MBSE, and SOTIF, along with strong experience in ISO 26262 compliance, safety analysis, and system-level engineering.

She has led multiple functional safety initiatives across global automotive programs and has worked extensively across domains such as ADAS, battery management, and body electronics, combining strong technical depth with leadership in delivery, mentoring, and governance.



UMA MAHESWAR D

CHIEF CONSULTING ENGINEER – GE AEROSPACE INDIA

Uma Maheswar is a global engineering leader with over 33 years of experience in organizational leadership, business strategy, and large-scale technology operations. He currently serves as Chief Consulting Engineer at GE Aerospace's India Engineering Center in Bangalore, leading a 900+ member team working on next-generation aviation propulsion systems and digital engineering solutions.

He has played a key role in building world-class engineering organizations, including GE's Advanced Technology team in India, and has led engineering for large-scale industrial projects across sectors during his tenure at Larsen & Toubro. A recognized thought leader, Uma has been a keynote speaker at 250+ conferences and actively contributes to industry bodies such as SAE Aerospace, NAFEMS, and NASSCOM.



DR. R. RAJKUMAR

ASSOCIATE PROFESSOR , VELLORE INSTITUTE OF TECHNOLOGY (VIT), CHENNAI

Dr. R. Rajkumar is a versatile scholar who is deeply committed to sharing information. Presently, he holds the position of Associate Professor in Data Science and Business Systems at SRM Institute of Science and Technology in India. He possesses considerable industry expertise gained from his prior positions at HCL and IBM.

Outside of the classroom, Dr. Rajkumar plays an active role as an adjunct faculty member at the Center for Immersive Technologies. He is dedicated to training, research, development, and authoring. He authored the perceptive book "India 2030" and has orchestrated several technical conferences, both domestically and globally. He is well acknowledged for his experience, which is demonstrated by his delivery of keynote talks on technology and skill development across many businesses, institutions, and media platforms.



PADUKA KANNAN

ENGINEERING AI & MOBILITY CONSULTANT | INDUSTRIAL AUTONOMY & ENGINEERING UNIT, TCS

Paduka Kannan is an Automotive Engineering Solution Strategist, Architect, and Thought Leader with over 16 years of experience at Tata Consultancy Services. She specializes in driving the convergence of AI, automotive engineering, and business strategy—bridging the gap between emerging AI capabilities and real-world industry adoption.

With extensive global experience across Japan, Europe, the US, and India, Paduka has led high-performance teams and delivered impactful solutions across automotive domains including ADAS, powertrain, infotainment, and body electronics. She is passionate about building purpose-driven, scalable solutions that combine AI strategy, product innovation, and business impact to drive sustainable transformation.



VIJAY AMRUTKAR

MBSE SOLUTION ARCHITECT | DASSAULT SYSTÈMES

Vijay Amrutkar is a seasoned Model-Based Systems Engineering (MBSE) Architect with over 16 years of experience in automotive and embedded systems development. He specializes in system architecture, AUTOSAR-based solutions, and end-to-end MBSE + ALM + PLM integration, enabling organizations to achieve scalable and traceable engineering processes.

Currently associated with Dassault Systèmes, Vijay has worked across global locations including Sweden, Japan, France, and India, collaborating with leading OEMs and suppliers. His expertise spans SysML/UML modeling, requirement engineering, toolchain integration, and digital thread implementation.

He has played a key role in defining MBSE guidelines, supplier collaboration frameworks (ReqIF), and tool benchmarking strategies, helping organizations transition toward model-driven development. Passionate about systems thinking, Vijay focuses on simplifying complexity and driving innovation in next-generation engineering ecosystems.



BHAVANI SHANKAR SURABHI

EXECUTIVE MANAGER, R&D, EFFTRONICS

Mr. Bhavani Shankar is currently heading IoT Vertical in R&D division in Efftronics Systems Pvt. Ltd. He is instrumental in its growth and positioning Efftronics as one of India's smart solutions companies. Backed by rich R&D, Efftronics is now a leading provider of smart solutions for Railways signalling, Smart cities, Smart Buildings and Industrial domains. He has master's degree in Electronics and communications.

Bhavani is the design architect for many IoT solutions innovated for different domains for the last 20 years. His area of expertise is building Intelligent Edge Devices and Sensing Systems, Data Analytics, IoT platforms and Design thinking.

He closely works with academic institutions in various capacities for improvement of curriculum and teaching learning process. He is part of Board of Studies in various universities and colleges. He is very active learner and keeps on upgrading with futuristic technologies and world best practices through global exposure.

TECHNICAL PROGRAM

HIGHLIGHTS

- Aerospace system architecture & digital engineering
- Software-defined vehicles & connected mobility
- Functional safety (SysML, ISO 26262)
- Digital thread & model-to-hardware integration
- AI/GenAI-enabled MBSE (SysML v2)
- Electrification & battery systems
- Industrial IoT & system platforms
- Automated modeling using GenAI & MATLAB

PURPOSE & IMPACT

The MBSE Summit 2026 serves as a catalyst for accelerating systems engineering adoption by enabling:

- Cross-industry learning and benchmarking
- Collaboration across organizations and geographies
- Scaled adoption of MBSE practices
- Strengthening of the global systems engineering community

REGISTRATION DETAILS

Category	Regular Till 20April 2026
Individual	INR 4000
INCOSE Members	INR 3500
SAE Members	INR 3500
Group Registrations (> 5 nos)	INR 3500
Students (valid student ID required)	INR 2500

*Registration rates are exclusive of GST

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