



Model Based Systems Engineering

MBSE Summit 2021

(Virtual)

15th -16th April 2021

16:30 hrs – 20:30 hrs IST



Jointly organized by
INCOSE India Chapter
&

Design Division, Aeronautical Society of India
(DD-AeSI)



Registration

Website: <http://bit.ly/MBSESummit>

Registration Fees

500 INR for Professionals

250 INR for Students

Day 1 : 15th April

Day 2 : 16th April

Time	Topics & Speakers
1630 h (15 mins)	Welcome & Introduction
1645 h (30 mins)	MBSE: What and Why ? Dr. Swaminathan Natarajan, TCS
1715 h (30 mins)	MBSE in Action Dr. Abhay Pashilkar, CSIR - National Aerospace Laboratories
1745 h (15 mins)	Break Sponsor Videos
1800 h (60 mins)	Panel: Aerospace & Space Industry Outlook Air Marshal Raghunath Nambiar (Retd.), PVSM, AVSM, VM & BAR, Former DCAS & AOC&C, Western Command Dr B N Suresh, Chancellor, IIST, Former Director, VSSC , Honorary Professor, ISRO Dr Tessy Thomas, DG (Aero), DRDO Dr Bala Bharadvaj, Former Managing Director, Boeing India Engineering & Technology Center <i>Moderator: Dr. Kota Harinarayana, SERB SERB Distinguished Fellow, CSIR-NAL & Chairman, DD-AeSI</i>
1900 h (10 mins)	Break Sponsor Videos
1910 h (30 mins)	MBSE Adoption Dr. Gan Wang, BAE Systems
1940 h (30 mins)	MBSE - A Case Study Mr. Casey Medina, Studio SE, CalTech
2010 h (5 mins)	Session Round-up for the Day

Time	Topics & Speakers
1630 h (25 mins)	Information Session: INCOSE INDIA Chapter
1650 h (60 mins)	Sponsor Lightning Session
1740 h (10 mins)	Break Sponsor Videos
1750 h (30 mins)	MBSE for Satellite Design Dr. Robbie Robertson, Sedaro Satellite
1820 h (30 mins)	Unified Architecture Framework (UAF) Mr. Matthew Hause, SSI
1850 h (30 mins)	Experiences with MBSE in Aviation Dr. Yaniv Mordecai, MIT
1920 h (10 mins)	Break Sponsor Videos
1930 h (60 mins)	Panel: Ecosystem needs for MBSE adoption Mr. Brendan Hall, Fellow, Honeywell Manas Bajaj, Chief Systems Officer, Intercax TBD, Thales TBD, Collins Aerospace <i>Moderator: Nikhil Joshi, Chair - INCOSE India MBSE Technical Working Group</i>
2030 h (10 mins)	Summit Wrap-Up

Patrons:

Dr Satheesh Reddy, Chairman, DRDO/DG,ADA
Dr. Serge Landry, ESEP, Director, INCOSE Asia Oceania

Advisory committee:

Dr. Kota Harinarayana, SERB Distinguished Fellow, CSIR-NAL & Chairman, DD-AeSI
Dr. BN Suresh, Chancellor, IIST, ISRO-HQ
Dr. Ramakrishnan Raman, ESEP, Asst Director, INCOSE Asia Oceania
Dr. Abhay Pashilkar, Program Dir. CSIR-NAL
Dr. Pankaj Priyadarshi, Div. Head, ADSD, VSSC, ISRO
Prof K Sudhakar, Vice Chairman, Design Division, AeSI
Dr. Hemendra Arya, Professor, IIT Bombay

Organizing committee:

Stueti Gupta, President, INCOSE India Chapter
Dr. Nikhil Joshi, Chair, INCOSE India MBSE Technical Working Group
Mudit Mittal, Co-Chair, INCOSE India MBSE Technical Working Group
Dr. Yogannanda Jeppu, Treasurer, INCOSE India
Dr. Ramesh Gabbur, Secretary, INCOSE India
Shri. Kishan S Chowhan, CSEP, Group Head-IFCS Dte, ADA & Hon. Gen. Secretary, DD-AeSI
Shri. Rakesh Kumar, Sc-E, ADE & Hon. Treasurer, DD-AeSI

Members/Volunteers:

Nouman Uddin, Co-Ordinator, NACDeC-IV
Kalpesh Sawant, SWA & System Engineer, John Deere
Aparna Kansal, Systems Engineer, Boeing
Ankita Jawale, ASEP, INCOSE, MBSE Working Group
Akshay Vidap, Requirement Engineer, Eaton
Ramakrishnan, B.Tech, AE, IITKGP
Laxman B., B.E., Aero, SREC
Aishwarya P.S., B.Tech, AE, BMSCE

Event Information:

Invited Talks (National/International)
Panel Discussions
Date: 15th - 16th April 2021
Time : 16:30 PM – 20:30 PM IST
Venue: Virtual @INCOSE official Zoom platform
Link will be shared with registered participants

Registration:



Email: incoseindiachapter@gmail.com
Website: <http://bit.ly/MBSESummit>

Last date to register 10th April 2021

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Account Name : INCOSE INDIA SOUTH CHAPTER
Account Number : 00000033418036359
IFS Code : SBIN0004407
Branch: BANNERGHATA ROAD
Bank : SBI



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INVITATION

The Indian Aerospace Industry is projected to see rapid growth, fueled by the Government's thrust in space, defense, and civil aviation, as well as privatisation. Model Based Systems Engineering (MBSE) will play a key role in managing the development of new products and technologies. Using consistent and comprehensive models and simulation would be essential for managing complexities, trade-offs, communication and evolution of novel products reliably and within the aggressive timelines. But what is MBSE? What do we need to make it work?

The INCOSE India Chapter and the Aeronautical Society of India Design Division jointly welcome you to the MBSE Summit 2021, where we will learn about these topics from leading industry experts from India and around the globe. The summit agenda will cover:

- MBSE Fundamentals and case studies
- Best practices and guidance on adoption
- Digital Transformation
- Panel discussions

INCOSE India Chapter

The International Council on Systems Engineering (INCOSE) is a professional society for Systems Engineers founded to develop and disseminate the interdisciplinary principles and practices that enable the realization of successful systems. INCOSE India is a chartered chapter of INCOSE in India, serving as the primary center for "INCOSE life" for members in India. The chapter serves to provide a forum for networking with systems engineers from government, industry and academia in India.

AeSI, Design Division

AeSI is principal society in India serving professions in areas of aeronautics, aerospace and aviation. its stated purpose is to 'advance sciences, engineering, technology and management of aerospace, aeronautics and aviation and to foster & promote professionalism of those engaged in these pursuits'. Design Division is devoted to offer a platform for the designers to meet & share knowledge.

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