

NE INCOSE Member Meet

August 18th, 2020

Site 1- UConn Hartford, (0)
UConn Hartford Room 216

Site 2-LM-Sikorsky (Employees only) (0)
Sikorsky Marine One Conference Room

Site 3 – BAE Systems, (0)
Manchester Street, Merrimack, NH

Site 4 – General Dynamics (0)
Pittsfield, MA

Site 5 – Raytheon (0)
Woburn, MA

Online 6 – Webex (XX)
North East Region

- **6:00 – 6:10 Welcome / Introductions / Chapter Business – Kiron Bhaskar**
- **6:10 – 6:30 NE INCOSE Fall Event 2020 Update – Amy Thompson / Madhu Rao**
- **6:30 – 7:30 “Innovating with MBSE” – Tony Komar**
- **7:30 – 8:00 Open Discussions / Q & A / Wrap Up**

2020 Organization - Officers



President

Kiron Bhaskar
Otis Elevator Company



Vice President

Eric Dano, Ph.D.
BAE Systems



Treasurer

Edward Medri, Ph.D.
Healthcare Optics Research Laboratory Canon USA, Inc.



Secretary

Michael Tymms
Corindus Vascular Robotics

2020 Organization – Board of Directors



Past President
Amy Thompson, Ph.D.
University of Connecticut, UTC IASE



Director
Randy Skelding
Pratt & Whitney



Director
Jim Garman
Sikorsky Aircraft



Director
Chris Massa
Draper



Director
Dave Finigan
BAE Systems



Director
Bao Truong, Ph.D.
Malta Inc.

Director

Richard Powers
Raytheon IDS



Director

Madhu Rao, Ph.D.
Belcan Engineering, LLC



Director

Peter Huie
Worcester Polytechnic Institute



Director

Daniel Burbank
Collins Aerospace



Operations Committee

Kiron Bhaskar, Chair
Eric Dano, VP
Ed Medri, Treasurer
Mike Tymm, Secretary
Amy Thompson, Advisor & Past President
Bao Truong, Director

Vision: Plan and organize chapter operations. Create strategic and operations plans. Communicate and coordinate with Directors through BOD. Coordinate execution with committees. Report back to INCOSE national. Manage chapter finances.

Regular Meeting Times: 1st Tuesday of each month at 6:00pm, open to all members

Membership Committee

Bruce Lerner, Chair
Peter Huie
Jim Garman
Charles Nobilski
Amro Farid
Daniel Burbank

Vision: Serve current membership. Recruit new members. Serve all industry sectors and states. Perform direct and indirect outreach to members. Collect information about how we can better serve. Member categories: existing members, new members, CAB members, university members.

Regular Meeting Times: 3rd Thursday of each month at Noon, open to all

Programming Committee

Madhu Rao, Chair
Ed Medri
Eric Dano
Kiron Bhaskar

Vision: Plan high quality events throughout the year that engage all chapter members based upon regular input and feedback from the membership.

Regular Meeting Times: 3rd Thursday of each month at 6:00pm, open to all

Certification, Training & Workforce Development

Randy Skelding, Chair
Rich Powers
Dave Finigan
Chris Massa
Bao Truong

Vision: Plan high quality training events throughout the year for members that help them achieve their professional development goals. Offer ASEP-CSEP

Communications

Mike Tymm, Chair
Peter Huie
Amy Thompson

Vision: Communicate effectively with members of the chapter and INCOSE international. Communication methods should support all other committee goals and members should coordinate with other committees to send and receive their messages. Maintain chapter records.

NE INCOSE Fall Event 2020 Update

INCOSE IS 2020

New Member Survey

Site 1- UConn Hartford, (x)
UConn Hartford Room 216

Site 2 – Waltham, (x)
Hilton Garden Inn Boston / Waltham, MA

Site 3 – BAE Systems, (x)
Manchester Street, Merrimack, NH

Site 4-LM-Sikorsky (Employees only) (x)
Sikorsky Marine One Conference Room

Site 5 – General Dynamics (x)
Pittsfield, MA

Site 6 – Webex (x)

Member Registrations

Site	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
UCONN Hartford	12	8	0	0	0	0	0	0
LM-Sikorsky	15	11	0	0	0	0	0	0
BAE Systems	5	4	0	0	0	0	0	0
Raytheon Technologies	0	1	0	0	0	0	0	0
General Dynamics	0	9	0	0	0	0	0	0
Waltham, MA	12	0	0	0	0	0	0	0
WebEx	12	17	48	116	63	46	56	Xx
TOTAL	52	50	48	116	63	46	56	Xx

Guest Speakers in 2020 YTD

Month	Guest Speaker	Title / Topic
January	Dr. Tina Srivastava	Innovating in a secret world
February	Dr. Timothy Simpson	Product Platforming and Product Family Design
March	Lou Wheatcraft	Integrated data as a foundation of SE
April	Daniel C Burbank	Living and working in Space: Lessons for the SE
May	Dr. Eric Dano	Resiliency SE in a Multi-UAV system of systems (SoS)
June	Dr. Beth Wilson, Dr. Randy Roberts, Dr. Clas Jacobson and Victor Rivas	“Application of SE principles to generate robust designs” – A cross industry panel discussion moderated by Dr. Edward Medri
July	Ed Carroll	“Systematic Literature Review: How is Model-Based Systems Engineering Justified?”
August	Tony Komar	Innovating with MBSE

2020 Budget Review & Approval – December 2019

Announce 2020 officers and BOD – December 2019

BOD workshop / strategic planning one weekend in April (TBD) 2020 : Plan Review in July & Oct

Monthly member meeting – 3rd Tuesday of every month (Minimum of 10 meetings) 7 / 10

Quarterly BOD Meeting – 1st BOD April 14th 2020, 2nd BOD July 14th 2020

~~Event 1 (Workshop / Seminar) – June 18th 2020 (Virtual HWG)~~

Event 2 (Workshop / Seminar) – October 15th & 16th 2020 (UCONN)

Elections for NE INCOSE leadership 2021 - October 2020

Review and approve 2021 Strategic and Operating Plans – December 2020



30th Annual INCOSE
International symposium

Virtual Event
July 20 - 22, 2020

Systems Engineering for Earth's Future

NE INCOSE Participants

Dr. Amy Thompson

Kiron Bhaskar

Others?

Keynote Speakers



Bernie Fanaroff

Former Director Square Kilometer Array (SKA) Project Office

Speaking Topic: System engineering and society



Dr. Ronnie S. McKenzie

Managing Director, WRP

Speaking Topic: Water Supply Systems : A Broad Overview



Jakob van Zyl

Co-founder and CEO - Hydrosat, Inc.

Speaking Topic: System Engineering of Low-Cost Earth Observing Systems

The Premier International Systems Engineering Conference

3 Days, 3 Tracks, 3 Keynotes, 70+ Presentations, Panels, and More!



Oct 2020 INCOSE NE Event



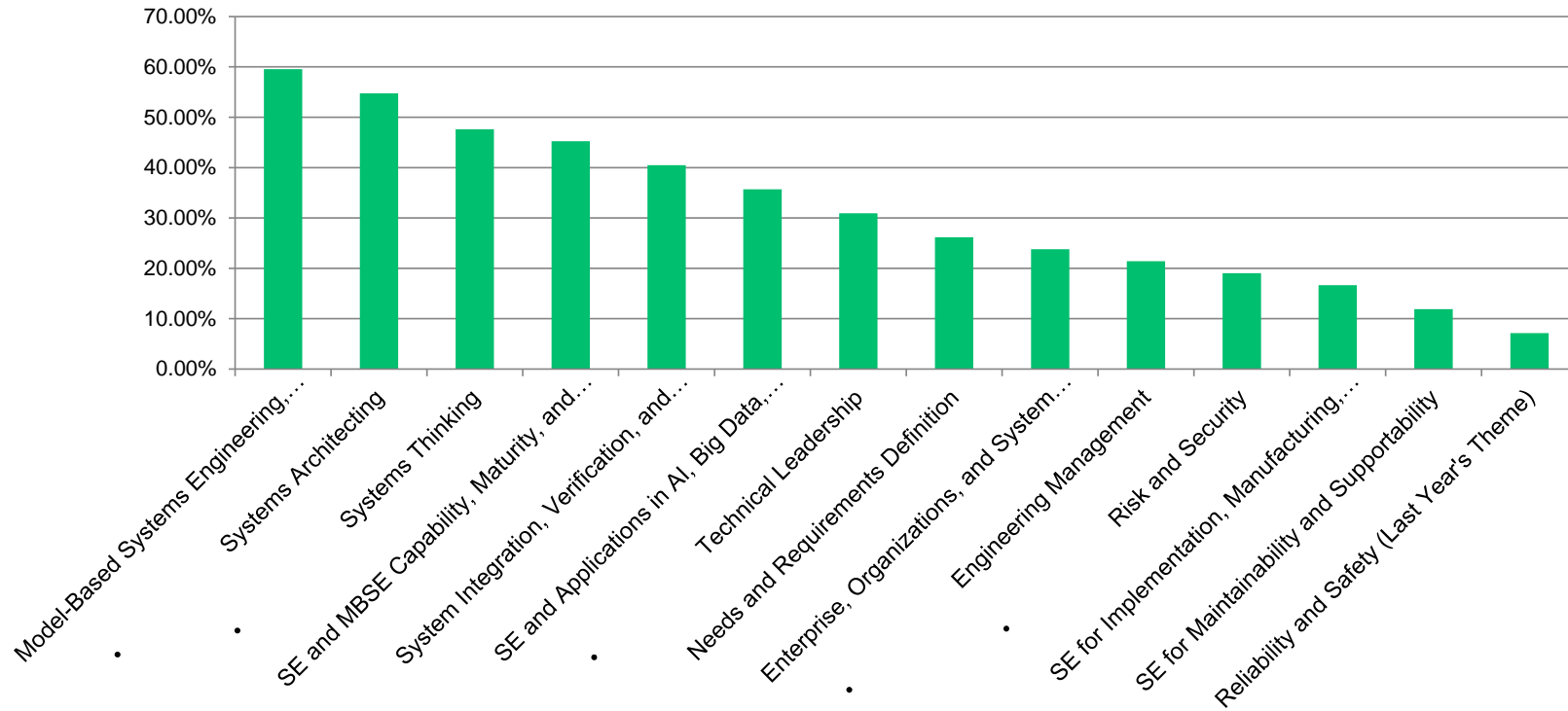
2nd Annual INCOSE New England
fall workshop
October 15th - 16th, 2020

70+ guests attending INCOSE
NE opening session, Fall 2019

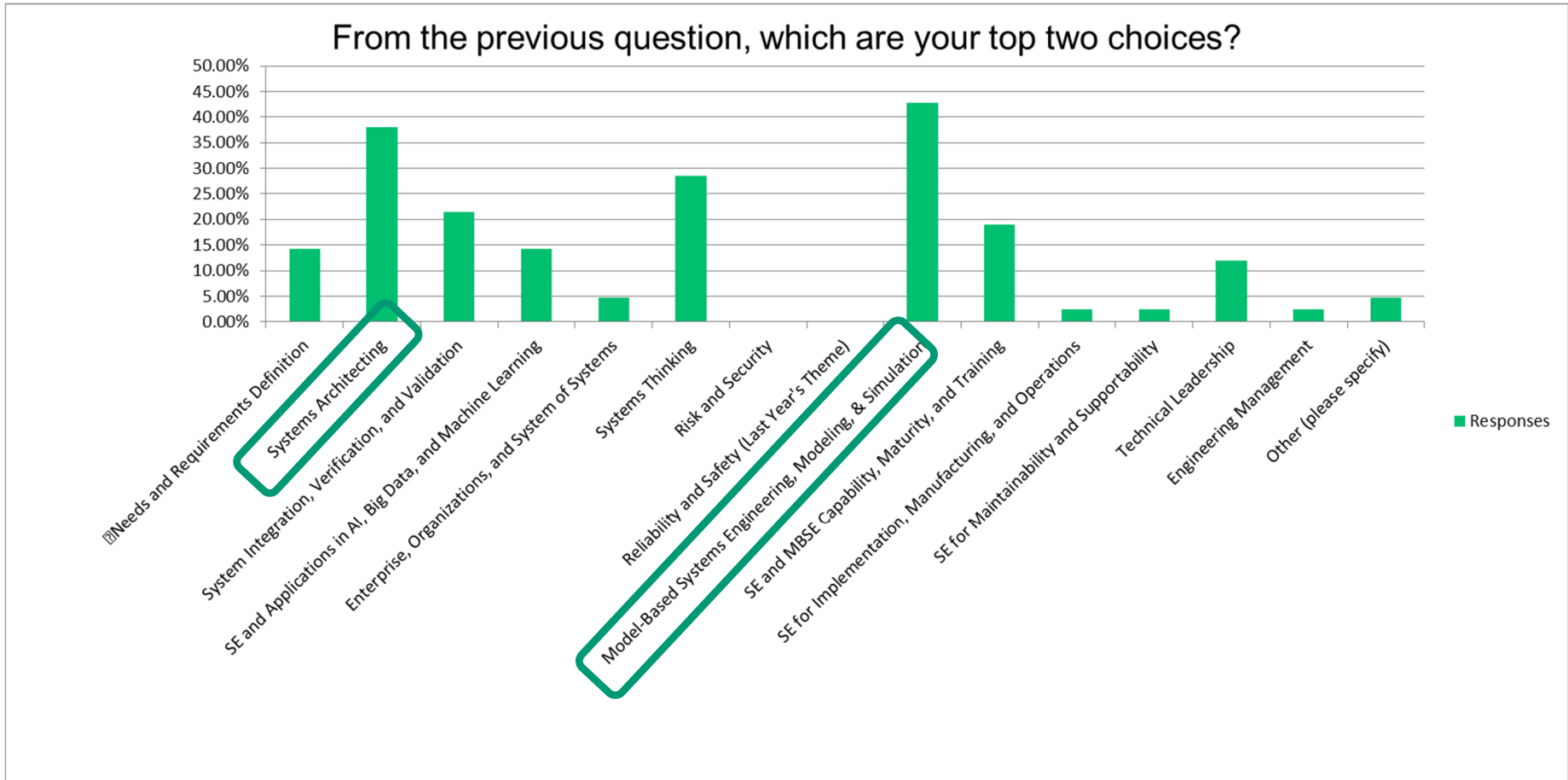


Survey Results & Theme

What topics or themes would you be interested in learning more about at our Workshop? Check all that apply. (If we do not choose your topics of interest for the workshop, we will try to plan speakers for your topic in one of our upcoming monthly meetings)



Survey Results & Theme



Call for Papers & Proposed Plan



2nd Annual
INCOSE NEW ENGLAND
fall workshop
Virtual Edition
October 15 - 16, 2020

Call for Presentations and Training Workshops is Now Open for Our 2nd Annual INCOSE New England Fall Workshop

This year's workshop will have tracks in both Model Based Systems Engineering and System Architecture. Day 1 will have 6x 45 minute sessions for each track with a Q&A session included in each session. Day 2 will have 4x 1.5 Hour workshop sessions for each track. Virtual Cafes will be open during the conference to facilitate participant interchanges on the breaks between sessions.

Find out more at our conference website: <https://www.neincose.org/incose-ne-fall-workshop-2020>

Topics of Interest include:

Model Based Systems Engineering (MBSE)

- MBSE Practical Applications
- Modeling System Attributes
- Integration of Models and Tools
- Model Validation Techniques
- Modeling and Simulation of Complex Systems
- Domain Specific Modeling Techniques

System Architecture (SA)

- System Architecture and Architectural Frameworks
- Applied System Thinking
- Architecting Complex Systems of Systems
- Architecture Considerations for Human Machine Interfaces
- Automation in System Architectures
- Architecting Resilient Systems

Proposed Schedule

Key Submission Dates:

Day 1 Technical Presentations (MBSE or SA track)

400 word max abstract due.

Submit here: www.neincose.org/submit-abstract

Day 2 Training Sessions

Proposal, including cost due, for either a 3-hour session (2-1.5 hour blocks) or 6-hour session (4-1.5 hour blocks) with 30-minute breaks in between

1 September 2020

Materials (PDFs) Due:

30 September 2020

PDF Materials will be made available to participants in a proceedings download

Please direct any submission questions to Michael Tym: INCOSENEWENGLAND@gmail.com

INCOSE New England Fall Workshop 2020					
Session	Start	End	Day 1		Virtual Café Open
Welcome and Keynote	8:30	9:30			
Break	9:30	9:45			
Theme			MBSE	Systems Architecting	
Session 1	9:45	10:30			
Break	10:30	10:45			
Session 2	10:45	11:30			
Break	11:30	11:45			
Session 3	11:45	12:30			
Break and Undergraduate Student Poster Session	12:30	2:00			
Session 4	2:00	2:45			
Break	2:45	3:00			
Session 5	3:00	3:45			
Virtual Happy Hour and Graduate Student Poster Session and Closing Remarks	3:45	5:30			
Session	Start	End	Day 2		VirtualCafé Open
Welcome and Keynote	8:30	9:30			
Break	9:30	9:45			
Training Sessions (1/2 or full day training sessions)	Start	End	MBSE	Systems Architecting	
Part I	8:30	10:00			
Break	10:00	10:30			
Part II	10:30	Noon			
Break	Noon	12:30			
Part III	12:30	2:00			
Break	2:00	2:30			
Part IV	2:30	4:00			
Virtual Happy Hour and Closing Remarks	4:00	5:30			

Next Steps

- Agreement signed with KMD (same company that managed INCOSE IS 2020)
- Promote the event through INCOSE and Outreach
- Review and down select papers and training
- Volunteer Opportunities
- Workshop planning committee:

Madhu Rao, Randy Skelding, Eric Dano, Ed Medri, Kiron Bhaskar and Amy Thompson

Please mute your phones except when you are speaking

**If you are connected using laptop and separate phone,
please mute both**

Hold your questions until the end or use the Chat to post

Please use the chat feature to comment / discuss

Total Registrations – xx



Title: “Innovating with MBSE”

Bio: Tony Komar has been practicing and supporting systems engineering for over 35 years. His career began as a System Engineer supporting the development of engine and flight controls in the early 80’s. He led his team supporting FADEC I for CF6 engine control through FAA software certification.

His research and development of flight control system based on COTS platforms, led him to work 10 in consulting in the automotive controls domain. Helping customer establish architecture their rapidly growing software control systems.

He joined Siemens 17 years ago and has helped customers establish Requirement management and Systems Engineering solutions in variety of industries. In 2011, Tony completed a Master of Engineering in System Engineering from Penn State University and turned a focus toward architecting Siemens solutions.

Today he key contributor to the development and deployment of Model Based System Engineering products for Siemens PLM. He not only enabling Siemens staff on MBSE tools, but also working with the next generation of engineers by developing “open” hands on training in electronics and systems engineering though open source products and electronics.

