

NE INCOSE Member Meeting

Mar 21, 2023

Hybrid
incosenewengland@gmail.com



- **6:30 – 7:15: Guest Speaker**
 - “A Primer on ConOps Development” by **Dr. Eric Dano, George Washington University.**

- **7:15 – 7:30: Q & A / Wrap Up**

- **7:30 – 8:00 Chapter Business**
 - Introductions
 - 2023 INCOSE NE Chapter Organization and Committees
 - INCOSE / INCOSE NE Updates
 - New Member Introductions
 - Distributed location discussion

Guest Speaker

A Primer on ConOps Development

Bio:

Dr. Eric Dano is a graduate of the United States Naval Academy, where he majored in physics, and later served in the United States Marine Corps as an Electronics Counter Measures Officer (ECMO) flying in the EA-6B Prowler. Eric received his Ph.D. at the University of Michigan in Electrical Engineering and Atmospheric, Oceanic, and Space Sciences, studying the experimental radar backscatter from deep ocean breaking waves. Upon graduation, he took a job at Sanders/BAE Systems in Nashua, NH where he worked for over 25 years. While at BAE, he served as System Architect/Technical Director on multiple advanced land, sea, and airborne based systems.

Dr. Dano also served as the lead of the System Architecture Community of Practice and led the development of the Chief Engineers in the CEMA and PS business areas. In Fall of 2022, Eric left BAE Systems to take an Associate Professor of Practice teaching position in George Washington University's Engineering Management and Systems Engineering Department (EMSE). His research interests include improvement of complex engineered systems through robust system architecture, system thinking, model-based systems architecture/ engineering, and improvement of system engineering practices.

Dr. Dano has been an INCOSE member since 2011, is a past president of the New England chapter and participates on numerous INCOSE working groups.



A Primer on ConOps Development

Abstract:

The Concept of Operations, or ConOps, are critical to architecting and developing robust, transdisciplinary systems. However, in most government proposals the ConOps, a required element of the Request for Proposal (RFP), is a short paragraph typically giving an overview of just the operational ConOps. But, what about the supportability ConOp(s)? Isn't the Operations and Support (O&S) phase 60% of the lifecycle cost of a system? Clearly these critical elements will need to be called out in a combination of ConOps and associate system level support requirements so that the architect can properly derive an architecture.



2023 Chapter Leadership Team



President

Haifeng Zhu, Ph.D.
The Boeing Company



Vice President

Cameron Hendricks
Raytheon (P&W)



Treasurer

Rachel McGrath
Raytheon (P&W)



Secretary

Michael Tymms
Vicarious Surgical Inc.



Past President

Madhu Rao, Ph.D.
Belcan Engineering, LLC



Director

Eric Dano, Ph.D.
George Washington Univ



Director

Amy Thompson, Ph.D.
UConn, UTC IASE



Director

Daniel Burbank
US Coast Guard Acad



Director

Peter Huie
WPI



Director

Bao Truong, Ph.D.
Malta Inc.



Director

Brian Sheehan
Draper Labs



Director

William Luk
BAE Systems



Director

Gissel Sawyer
Lockheed (SIK)

Operations Committee

Haifeng Zhu, Chair

Cameron Hendricks, VP/President Elect

Madhu Rao, Past President & BoD Chair

Amy Thompson, Advisor

Rachel McGrath, Treasurer

Mike Tymm, Secretary

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

TBD, Chair

Peter Huie

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

Brian Sheehan, Chair
Madhu Rao

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

William Luk, Chair
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.

2022 New Members (+56)



Welcome to INCOSE New England!!

- Ertan Ergezen
- Lewis Malaver
- Hanning Wong
- Jon Hodge
- Preston Wilkey
- Rodervin Urena
- Steven Thorwarth
- Geoffrey Lichtenheim
- Danielle Conneely
- Alexander Moon
- Brianne Hirschfeld
- Natasha Berner
- Mostafa Elshibiny
- Brian Baillie
- Lou Palecki
- Randy Mocadlo
- Andrew Hanshaw
- Maxwell Brown
- Samuel Felton

- Lew Cote
- Scott Morris
- Todd Jackson
- Greer Koerner
- David Fontaine
- Rahmeh Fares
- Michael Shatz
- Sasha Smiljanic
- Matteo Pietrobelli
- Amir Eftekhar
- Jennifer Pandolf

- Scott Law
- Patterson Sisson
- Khrystyna Shvedova
- Rebecca Petteys
- Heather Morris
- Candice Bell
- Marin Casanovas
- George Ziboulis
- Karen Brzostowski
- Michael Salpukas
- James Pennington
- Brian James
- Keith Works

- Radu Morar
- Geoffrey Brelsford
- Jamison Boie
- [Mary Ellen Loomis](#)
- [Adam Campisi](#)
- [Deniz Karakoyunlu](#)
- [Adrianna Tagayun](#)
- [Larry Mannings](#)
- [William May](#)
- [Nathaniel Jackson](#)
- [Cameron Hendricks](#)
- [Tahir Gungor](#) ⁹
- [John Phillips](#)

2023 New Members (+17)

- Maggiore, Cassandra
- Zabierek, Mark
- Deveau, Nicholas
- Sivan, Arun
- Sanyal, Neil
- Ryll, Erik
- Gagnon, Andrew
- Mirza, Jafar
- Alam, Lamia
- Brennan, Maddie
- Roberts, Hannah
- Agagi, Meital
- Briones, Paul
- Mulama, Edward
- Seaman, Nicole
- SALOW, GREG
- Sawyer, Gissel



Welcome to INCOSE New England!!

2023 Guest Speakers

Year	Month	Topic	Presenter	Confirmed
2023	January	Cancelled		
	February	MBSE Implementations	David Long	Y
	March	Concept of Operation (CONOPS) Development	Eric Dano	N
	April	Architecture Optimization	Haifeng Zhu	Y
	May	Requirements Derivation	Rachel McGrath	N
	June	TBD		
	July	Architecture Development	Rob Hammett	N
	August	Test and Evaluation	Clara Ramirez	N
	September	Integration Verification & Validation	Madhu Rao	N
	October	NEFWS		
	November	Production / Design for Manufacturing	Amy Thompson	Y
	December	Cyber Security / STPA Sec.		

2023 Operating Plan Highlights

- Outreach for monthly talks from invited speakers
- Monthly newsletter
- Recurring Meetings:
 - Monthly Operations meeting (2nd Tue)
 - Monthly member meetings (3rd Tue)
 - Monthly committee meetings: Program Committee, Certification, Training & Workforce Development Committee (on Website of INCOSE NE)
- 2023 Events – Fall Workshop

Questions

incosenewengland@gmail.com