

NE INCOSE Member Meeting

June 21st, 2022

Virtual Only
incosenewengland@gmail.com



- **6:00 – 6:45 Chapter Business**
 - Introductions
 - 2022 INCOSE NE Chapter Organization and Committees
 - INCOSE / INCOSE NE Updates
 - New Member Introductions

- **6:45 – 7:30: Guest Speaker**
 - “*Engineering Our Care Systems*” by **Dr. Guru Madhavan**, Senior Director of Programs, U.S National Academy of Engineering

- **7:30 – 8:00: Q & A / Wrap Up**

2022 Chapter Leadership Team



President

Madhu Rao, Ph.D.
Belcan Engineering, LLC



Vice President

Haifeng Zhu, Ph.D.
Smart Machinery Lab



Treasurer

Rachel McGrath
Raytheon (P&W)



Secretary

Michael Tymms
Vicarious Surgical Inc.



Past President

Eric Dano, Ph.D.
BAE Systems



Director

Amy Thompson, Ph.D.
UConn, UTC IASE



Director

Randy Skelding
Raytheon (P&W)



Director

Jim Garman
Sikorsky Aircraft



Director

Daniel Burbank
Collins Aerospace



Director

Dave Finigan
BAE Systems



Director

Bao Truong, Ph.D.
Malta Inc.



Director

Peter Huie
WPI



Director

Stephen Nichols
Schindler Elevator Corp.



Director

Diane Alsing
Strategic Global



Director

Brian Sheehan
Draper Labs

Operations Committee

Madhu Rao, Chair

Eric Dano, Past President & BoD Chair

Haifeng Zhu, VP/President Elect

Amy Thompson, Advisor

Rachel McGrath, Treasurer

Mike Tymm, Secretary

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

TBD, Chair

Peter Huie

Jim Garman

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

TBD, Chair

Eric Dano, Past President & BoD Chair

Ed Medri

Randy Skelding

Brian Sheehan

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

Stephen Nichols

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.



Join us for
the 32nd Annual **INCOSE** International Symposium



June 25 to 30,
2022



Hybrid Event
Huntington Place
1 Washington Blvd.
Detroit, MI 48226, USA

The Power of Connection

Resilience, Sociotechnical Systems, and Engineering
of new technologies in complex systems



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Follow us



INCOSE New England Fall Workshop - Planning

- Event proposal: Workshop + student poster session; Hybrid
- Timing: Thu & Fri Oct 27th and 28th (tentative)
- Theme:
 - Topics related to [Digital Transformation \(TBD\)](#)

2022 Operating Plan Highlights

- 2022 Operating Plan, Budget Review & Approval – February 2022 ([Fri 3/18](#))
- BoD Indoctrination / Training – February 2022 ([Thu 3/24](#))
- Outreach initiatives by officers and BoDs to chapter members for increased participation and engagement ([April](#))
- Monthly newsletter ([April](#))
- Recurring Meetings:
 - Monthly Operations meeting ([2nd Tue](#))
 - Monthly member meetings ([3rd Tue](#))
 - Quarterly BoD meetings ([Middle month, 2nd Tue](#))
 - Monthly committee meetings
- 2022 Events – SEP Cert Training, Student Poster, Fall Workshop

2022 New Members (+35)

- 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



Welcome to INCOSE New England!!

- Lew Cote
- Scott Morris
- Todd Jackson
- Greer Koerner
- David Fontaine
- Rahmeh Fares
- Michael Shatz
- Sasha Smiljanic
- Matteo Pietrobelli
- Amir Eftekhari
- Jennifer Pandolf
- Scott Law
- Patterson Sisson
- Khrystyna Shvedova
- Rebecca Petteys
- Heather Morris
- Candice Bell

2022 Guest Speakers

Month	Guest Speaker	Organization	Title / Topic
Jan	Dr. Don Gelosh	WPI	INCOSE Professional Development Portal Initiative
Feb	Paul White	BAE Systems	Building the Digital Engineering Workforce of the Future
Mar	Cameron Hendricks	Raytheon (P&W)	Taming Unreliable Variables in Systems Engineering
Apr	Dan Burbank	Raytheon (Collins)	Reliability and Survivability in Crewed Spacecraft
May	Dr. Phillip Palmer	Sunrise Labs	The Benefits of a Systems Engineering Approach: How to reduce risks and improve performance in medical device development
Jun	Guru Madhavan	National Academy of Engineering	Engineering Our Care Systems
Jul			
Aug			
Sep	Christopher Olson	Johns Hopkins	TBD
Oct	<i>No meeting</i>		<i>New England Fall Workshop</i>
Nov			
Dec			

Guest Speaker

Engineering Our Care Systems

Bio:

Guru Madhavan is the Norman R. Augustine Senior Scholar and Senior Director of Programs at the U.S. National Academy of Engineering. He has served as a technical advisor to the U.S. Department of Health and Human Services and the European Union Malaria Fund. He has contributed to the research and development of cardiac surgical catheters for ablation therapy and neuromuscular stimulators for improving blood circulation, and has led analyses for prioritizing new vaccines for development, prescription drug pricing, and developing strategies for cancer control. A systems engineer by background, he received his M.S. and Ph.D. in biomedical engineering and an M.B.A. from the State University of New York that awarded him the Edward Weisband Distinguished Alumni Award for Public Service or Contribution to Public Affairs. He has served as a vice-president of IEEE-USA and was a founding member of the Global Young Academy, and has been named a distinguished young scientist by the World Economic Forum. His awards include the National Academies' Innovator Award, National Academy of Medicine's Cecil Medal, the Association for the Advancement of Medical Instrumentation's Laufman-Greatbatch Award for significant contributions to health systems and technology and the Becton Dickinson Award for Professional Achievement, and the Washington Academy of Sciences' Leadership Award in engineering. His publications include the coedited volume "Engineering and Philosophy" (Springer), the co authored book "Making Better Choices: Design, Decisions, and Democracy" (Oxford), and the widely translated nonfiction "Applied Minds: How Engineers Think" (W.W. Norton, Penguin India, others). For his books and lectures, he has received the IEEE-USA Award for Distinguished Literary Contributions Furthering Public Understanding and the Advancement of the Engineering Profession and the George F. McClure Citation of Honor. He is an elected fellow of the American Association for the Advancement of Science and the American Institute of Medical and Biological Engineering.



Engineering Our Care Systems

Abstract:

Using examples from history and contemporary culture this talk will reflect on how we (should) think about care as an organizing concept, from careers to corporations and culture. In a world driven by and toward the new, the novel, and the nifty, we need a more grounded vision for commercial innovations, informed by maintenance and conservation and guided by a systems engineering sensibility.



Questions

incosenewengland@gmail.com