

# **NE INCOSE Member Meeting**

February 16<sup>th</sup>, 2021

Virtual Only

- **6:00 – 6:30 Welcome / Introductions**
- **6:30 – 7:00 Chapter Business**
  - **Agenda item 1:**  
2021 Officers  
Committee memberships and Activities
  - **Agenda item 2:**  
INCOSE IW 2021 Virtual  
INCOSE IS 2021 Virtual
  - **Agenda item 3:**
- **7:00 – 7:45 “Keeping the Digital Thread from Unravelling: Opportunities and Challenges in MBSE” by Dr. Matthew Hause (Principal Engineer at SSI)**
- **7:45 – 8:00 Q & A / Wrap Up**

# Agenda Item 1 2021 Officers, Committees and Plan

# Organization – 2021 Officers

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**President**

Eric Dano, Ph.D.  
BAE Systems

**Vice President**

Madhu Rao, Ph.D.  
Belcan Engineering, LLC

**Treasurer**

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

**Secretary**

Michael Tymm  
Corindus Vascular Robotics

# Organization – 2021 Directors

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**Past President**  
**Kiron Bhaskar**  
**UTC/Otis Elevator Company**



**Director**  
**Amy Thompson, Ph.D.**  
**University of Connecticut, UTC IASE**



**Director**  
**Randy Skelding**  
**Raytheon**



**Director**  
**Jim Garman**  
**Sikorsky Aircraft**

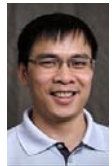


**Director**  
**Daniel Burbank**  
**Collins Aerospace**



**Director**  
**Dave Finigan**  
**BAE Systems**

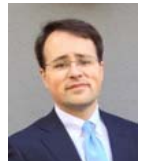
**Director**  
**Bao Truong, Ph.D.**  
**Malta Inc.**



**Director**  
**Peter Huie**  
**Worcester Polytechnic Institute**



**Director**  
**Stephen Nichols**  
**UTC/Otis Elevator Company**



**Director**  
**Haifeng Zhu, Ph.D.**  
**UTC/Otis Elevator Company**



**Director**  
**Diane Alsling**  
**Strategic global technology consultant**



# 2021 Committees

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## **Operations Committee**

**Eric Dano, Chair**  
**Kiron Bhaskar, Advisor & Past President**  
**Amy Thompson, Advisor & Past President**  
**Ed Medri, 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 (chair TBD)**

**Peter Huie**  
**Jim Garman**  
**Charles Nobilski**  
**Amro Farid**  
**Daniel Burbank**  
**Nick Brinn**

**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

# 2021 Committees

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## 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**

Let us know your if  
you would like to  
join a committee

**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.

# Operating & Implementation Plan 2021

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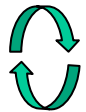
2021 Budget Review – January 2021

Operations/Planning Meeting/Monthly Ops mtgs scheduled – January 2021

Monthly Member meetings scheduled w/ speakers– January 2021

1st Quarter BoD Meeting – February 2, 2021

Officer/BOD Indoctrination/Training – February 2021



Hold Monthly member meetings – 3<sup>rd</sup> Tuesday of every month (Min 10 mtgs)

Hold Monthly Committee meetings - Various

Hold Quarterly BOD meetings – TBD

Let us know your  
ideas for Chapter  
Activities !!!

Event 1 Planning – Mid April 2021 (Event TBD)

Event 2 Planning – Mid August 2021 (Fall Workshop)

2022 Election nominations - November 2021

Elections for NE INCOSE leadership 2022 - November 2021

2022 New Officers/BoD selected – December 2021

Review and approve 2022 Strategic and Operating Plans – December 2021



# Agenda Item 2

## IW2021 29-31 JAN 21'

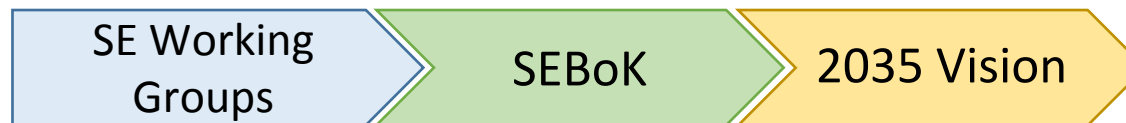
# INCOSE IW2021



Join us for  
the Annual INCOSE International Workshop  
Premier Systems Engineering Workshop

**The INCOSE International Workshop (IW2021) was  
virtually held on Jan 29 - 31 2021**

BLUF: I was very surprised at the level of advancement in SE sub-disciplines and the flow up to the SEBoK and 2035 Vision document.



- In May INCOSE is launching a Proficiency Development Portal (PDP) where all members can login and check their proficiency, but more importantly is access to a large library of the “state of SE” documents in MBSE, HSI, Resilient system engineering, Socio-technical systems, System Thinking, Complex systems, Secure systems, etc.
  - Clearly a value adder to INCOSE membership
- Sandy Freidenthal is in front of the INCOSE 2035 Vision project
- The System Engineering Body of Knowledge (SEBoK) is going through an update cycle.

# INCOSE References

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Local INCOSE Chapters provide presentations on wide range of topics

SE Education: <https://www.incose.org/academic-affairs-and-careers/se-education>

Worldwide SE School Directory: [https://www.incose.org/docs/default-source/aboutse/se-academic-program-directory0231BA07E0A3.pdf?sfvrsn=a06bdc6\\_22](https://www.incose.org/docs/default-source/aboutse/se-academic-program-directory0231BA07E0A3.pdf?sfvrsn=a06bdc6_22)

Academic Equivalency to Certification Knowledge Exam:

<https://www.incose.org/systems-engineering-certification/certification-agreements/equivalency-programs>

INCOSE Periodicals are here:

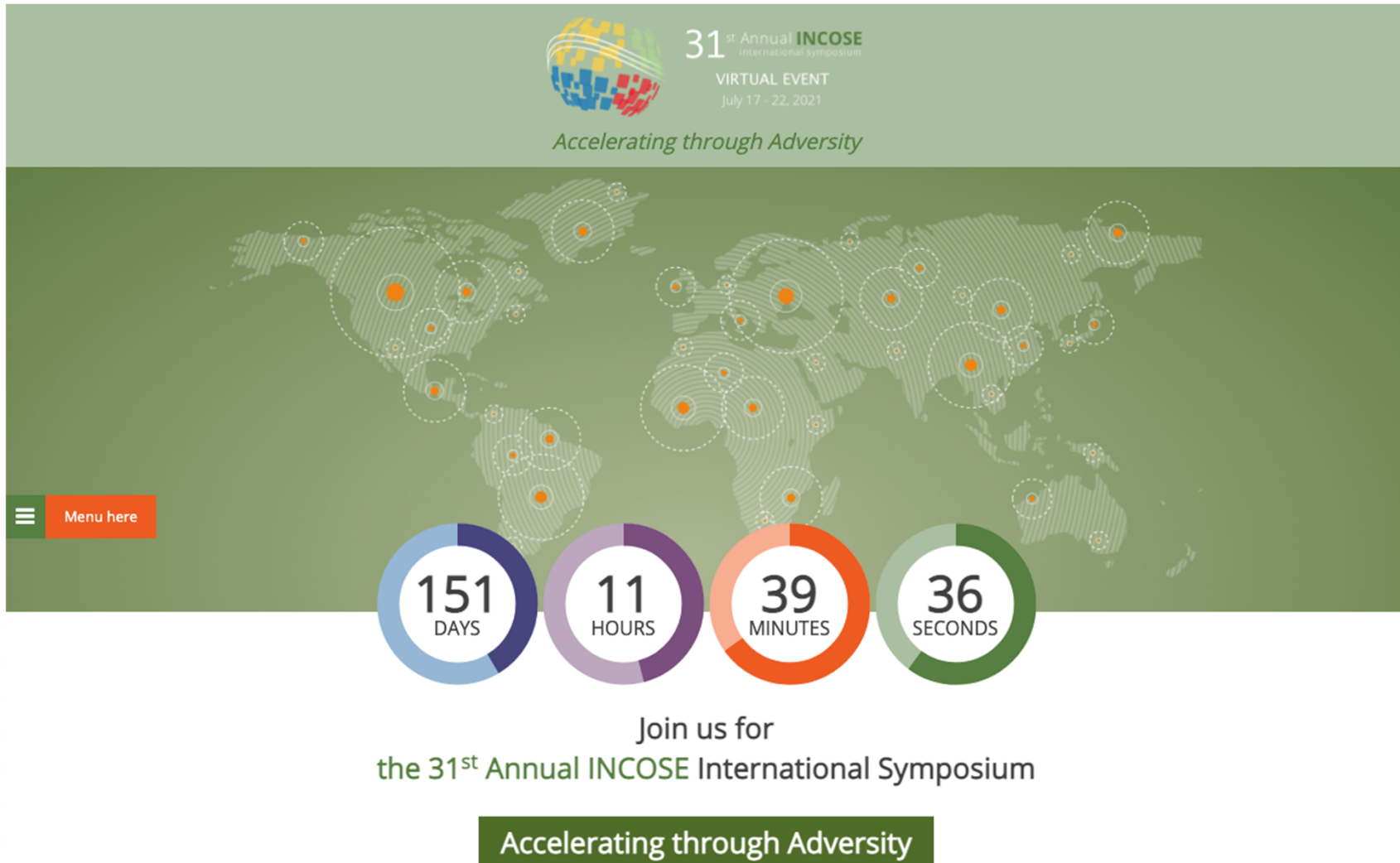
<https://www.incose.org/products-and-publications/periodicals>

INCOSE SE Tool Database

[www.systemsengineeringtools.com](http://www.systemsengineeringtools.com)



# 31<sup>st</sup> INCOSE IS2021



The banner features a green background with a world map showing various locations marked with orange dots and concentric circles. At the top center is a colorful globe logo. To its right, the text reads: "31<sup>st</sup> Annual INCOSE International Symposium", "VIRTUAL EVENT", and "July 17 - 22, 2021". Below this, the tagline "Accelerating through Adversity" is written in a script font. On the left side, there is a green menu icon and an orange button labeled "Menu here". At the bottom, four circular progress indicators show the time remaining: 151 DAYS (blue), 11 HOURS (purple), 39 MINUTES (orange), and 36 SECONDS (green). Below these indicators, the text "Join us for the 31<sup>st</sup> Annual INCOSE International Symposium" is displayed, followed by a green button with the tagline "Accelerating through Adversity".

31<sup>st</sup> Annual INCOSE International Symposium  
VIRTUAL EVENT  
July 17 - 22, 2021  
*Accelerating through Adversity*

Menu here

151 DAYS  
11 HOURS  
39 MINUTES  
36 SECONDS

Join us for  
the 31<sup>st</sup> Annual INCOSE International Symposium  
*Accelerating through Adversity*

# Agenda Item 3

## Guest Speaker



## Keeping the Digital Thread from Unravelling: Opportunities and Challenges in MBSE



Matthew Hause is a Principal Engineer at SSI, a member of the UAF group and OMG SysML V2 specification team and was a member of the OMG Architecture Board for 10 years. He has been developing multi-national complex systems for over 40 years. He started out working in the power systems industry. He has experience in defense systems, process control, manufacturing, factory automation, communications, SCADA, distributed control, office automation and many other areas of technical and real-time systems. He has written over 100 technical papers on architectural modeling, project management, model-based engineering, human factors, safety critical systems development, virtual team management, product line engineering, systems of systems, systems and software development with UML, SysML and UAF. He has been a regular presenter at INCOSE, the IEEE, BCS, the IET, the OMG, AIAA, DoD Enterprise Architecture, etc. Matthew studied Electrical Engineering at the University of New Mexico and Computer Science at the University of Houston, Texas.

Co-author Troy Peterson, SSI Vice President, and INCOSE's Future and Transformation champion, is a recognized leader in developing model based solutions to speed innovation and solve complex systems challenges. He has led the delivery of numerous complex systems and methodologies while at SSI, as a Booz Allen Fellow and Lead Engineer at Ford Motor Company.



# Questions