

INCOSE Heartland Chapter Meeting

Thursday 14OCT2021

7:00 - 8:30 PM CDT (8:00 - 9:30 PM EDT)



A Virtual INCOSE Heartland Chapter Member's Meeting - 14OCT2021 v1 - Sean Mahrt, Chapter Program Director

Tonight's Agenda

Welcome to all members!

Welcome	7:00pm CDT
- Shadrak Rajkumar, President, Heartland Chapter	
- Sean Mahrt, Program Director, Heartland Chapter	
- Andrew Muxen, Treasurer, Heartland Chapter	
- Jack Stein, Asst. Director, INCOSE Americas Sector	
- Round robin introductions (New Member welcome)	
INCOSE News (Jack Stein)	7:30pm CDT
Program Directors Corner (Sean Mahrt)	7:40pm CDT
Heartland Chapter Treasurers report (Andrew Muxen)	7:50pm CDT
Heartland Chapter Status (Shadrak Rajkumar)	8:00pm CDT
Questions/Open Forum	8:10pm CDT
Adjourn	8:20pm CDT





About INCOSE – Welcome!

Founded 1990

18,000+ Members

74 Chapters

35 Countries

55 Working Groups 3500 SEs Certified



www.incose.org

A better world through a systems approach:

The International Council on Systems Engineering (INCOSE) is a not-for-profit membership organization founded to develop and disseminate the transdisciplinary principles and practices that enable the realization of successful systems. INCOSE is designed to connect systems engineering professionals with educational, networking, and careeradvancement opportunities in the interest of developing the global community of systems engineers and systems approaches to problems. We are also focused on producing state-of-the-art work products that support and enhance this discipline's visibility in the world.



The International Council On Systems Engineering (INCOSE)

119 INCOSE CAB Member Organizations June 2021)

321 Gang, Inc Aerospace Corporation, The Airbus AM General LLC Analog Devices, Inc. ARAS Corp Australian National University Aviation Industry Corporation of China **BAE Systems** Ball Aerospace Bechtel Becton Dickinson Blue Origin Boeing Company, The Bombardier Transportation Booz Allen Hamilton Inc. C.S. Draper Laboratory, Inc. California State University Carnegie Mellon University SEI Change Vision, Inc. Colorado State University SE Programs Cornell University Cranfield University Cubic Cummins Inc. Cybernet MBSE Co, Ltd Defense Acquisition University Deloitte Consulting, LLC Denso Create Inc Drexel University

Eindhoven University of Technology EMBRAER ENAC Federal Aviation Administration (FAA) Ford Motor Company Fundacao Ezute General Dynamics General Electric Aviation General Motors George Mason University Georgia Institute of Technology IBM Idaho National Laboratory ISAE - Supaero ISDEFE ITID, Ltd Jacobs Jama Software Jet Propulsion Laboratory John Deere Johns Hopkins University KBR **KEIO University** L3Harris Technologies Leidos Lockheed Martin Corporation Los Alamos National Laboratory ManTech International Corporation Maplesoft Massachusetts Institute of Technology (MIT) MBDA (UK) Ltd Missouri University of Science & Technology MITRE Corporation, The Mitsubishi Heavy Industries, Ltd NASA National Reconnaissance Office (NRO) National Security Agency Enterprise Systems Naval Postgraduate School Nissan Motor Co, Ltd No Magic Inc. (Dassault Systemes) Northrop Grumman Corporation Pacific Northwest National Laboratory Pennsylvania State University Peraton Petronas Nasional Berhad Prime Solutions Group, Inc Project Performance International (PPI) QRA Corp **Raytheon Corporation Roche Diagnostics** Rolls-Royce Saab AB SAIC Sandia National Laboratories Siemens Sierra Nevada Corporation Singapore Institute of Technology Skoltech SPEC Innovations Stellar Solutions

Stevens Institute of Technology Strategic Technical Services LLC Swedish Defense Materiel Administration Systems Planning and Analysis Thales **Torch Technologies** Trane Technologies Tsinghua University TUS Solution LLC UC San Diego UK Ministry of Defense (MoD) University of Alabama in Huntsville University of Arkansas University of Connecticut University of Maryland University of Maryland, Baltimore County University of Michigan, Ann Arbor University of New South Wales University of Southern California University of Texas at El Paso (UTEP) University of Washington ISE US Department of Defense (DoD) Veoneer VG2PLAY Vitech Volvo Construction Equipment Woodward Inc Worcester Polytechnic Institute- WPI

Zuken Inc



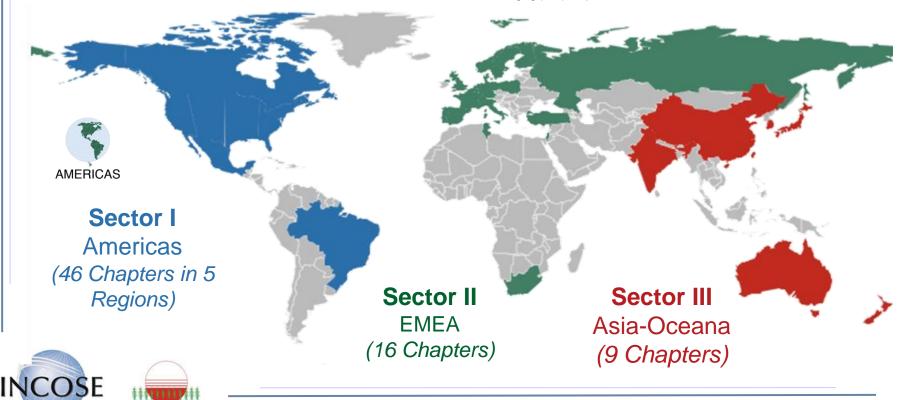


HEARTLAND CHAPTER

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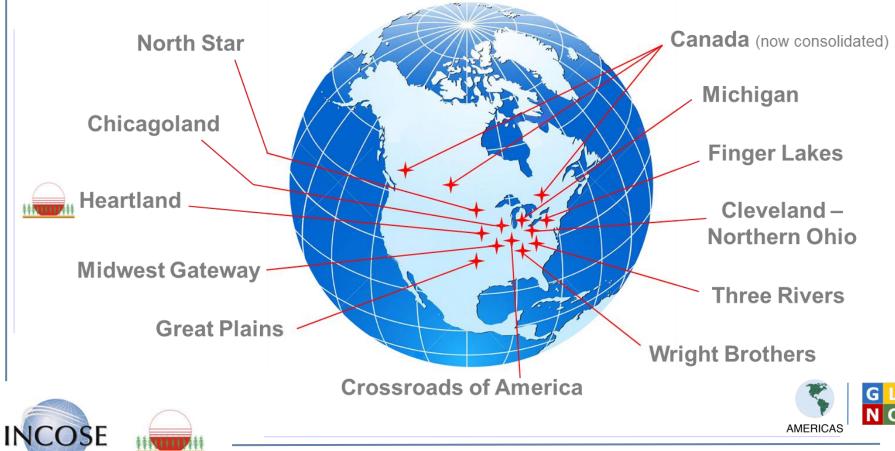
The International Council On Systems Engineering (INCOSE) Three Sectors with 74* Chapters in 35 Countries

* Some emerging (new) chapters not shown below.



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The 12 Chapters of the INCOSE Americas Great Lakes / North-Central (GLNC) Region



INCOSE Announcements (International)

st Annual INCOSE international symposium

VIRTUAL EVENT

IS2021: Completed

Was originally planned as a hybrid

event, Honolulu, HI

IW2022: Next Int'l Event



https://www.incose.org/IW2022



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32nd Annual INCOSE International Symposium

Call for Submissions is Open

June 25-30, 2022 Detroit, Michigan, USA





www.incose.org/symp2022



Mobility Systems: Land, Sea, Air and Space

GLINCOSE 14th Annual GLNC Regional Conference Detroit, MI, USA Nov 30 – Dec 3, 2021

Hybrid Edition

The Westin Book Cadillac^{*} Historic[†] Luxury Hotel and Conference Center





A Marriott Hotel

A Contributing Property of the Detroit Washington Boulevard U.S. Historic District

COSE 14th Annual GLNC **Regional Conference** Nov 30 - Dec 3, 2021 rid Editic THEFT WESTIN

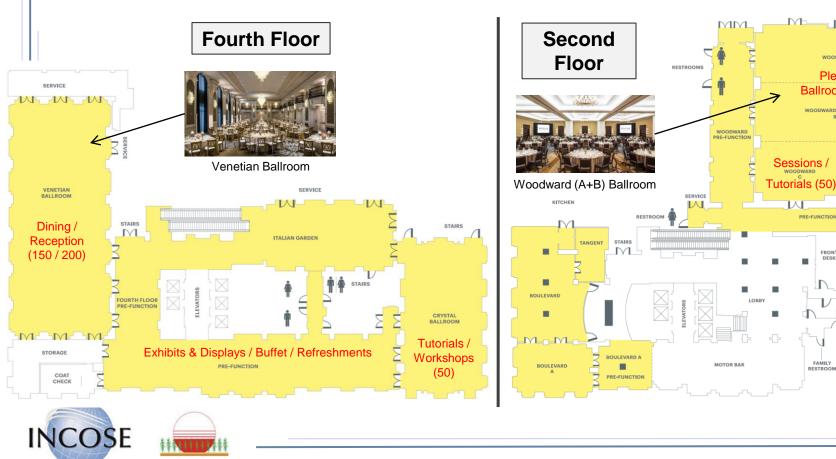
Woodward Ballroom (Conference Plenary Room)

WESTIN

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WESTIN

General Layout: Function Rooms – Book Cadillac



HEARTLAND CHAPTER

STATE

Sessionss /

Tutorials (30)

171

WOODWARD

Plenarv

Ballroom (150)

WOODWARD BALLROOM

PRE-FUNCTION

FRONT DESK

FAMILY

RESTROOM





INCOSE 14th Annual GLNC Regional Conference



Employer Virtual Booth Set-up Now in Process (Sep/Oct)

2nd GLNC Virtual Student **Systems Engineering (SE) Career Fair**

Fall 2021 Virtual **Student SE Career Fair**

Nov 10 – Dec 10*



- Browse Company Virtual Booths

Use Chatbots/IT to Connect

Visit INCOSE Welcome Center

Nov 10 – Dec 10 (24/7)

- Upload Your Resume

ore the World of **Opportunities** in Systems Engineering

Entry Level

Internships

FREE to all students and recent graduates.

Live Interactions:

- Coaching Sessions: Nov-Dec
- Interviews & One-on-Ones Round 1: Nov 30-Dec 3 Round 2: Dec 6-10

Engage with INCOSE Corporate Advisory Board (CAB) and GLNC event-affiliated systems engineering (SE) employers:





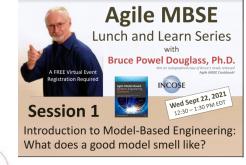


Program Directors Corner

Virtual Chapter Meetings



Lunch and learn series



Topic planning in progress







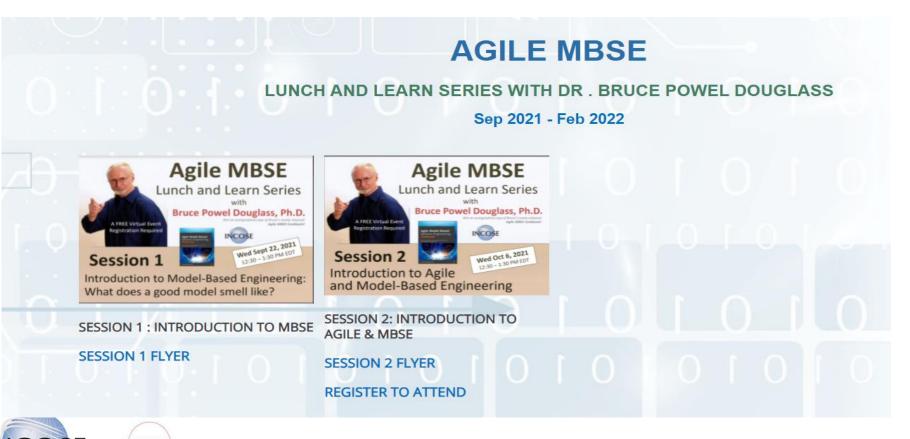
"Chapter Meeting Documents" on Website: www.incose.org/Heartland



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"LUNCH & LEARN SERIES" on Website: www.incose.org/Heartland





Monthly chapter meetings



Meetings are the Second Thursday of the Month

- Save the Date
- Virtual meeting format
- No membership required, invite your friends and show them the value of an INCOSE membership!



Heartland Chapter Treasurers Report

Current Balance	
Checking	\$4,054.17
CD #1	\$10,026.21
CD #2	\$8,255.98
Total	\$22,336.36

Recent Income:

• Chapter Shares: \$336.00

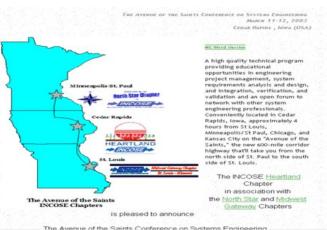
Recent Expenses:

• MBSE L & L: \$1200-1500 (pending)



Chapter History

- Founded in 1996 by Collins and few others in IOWA
- Received INCOSE Chapter Silver Award 8 years in a row (2003 2010)
- Around 400 + members joined the chapter since 1996
- Average Active Members per year 50
- Significant Events in last 25 years
 - International Symposium in 2000
 - Avenue of the Saints Conference in 2003





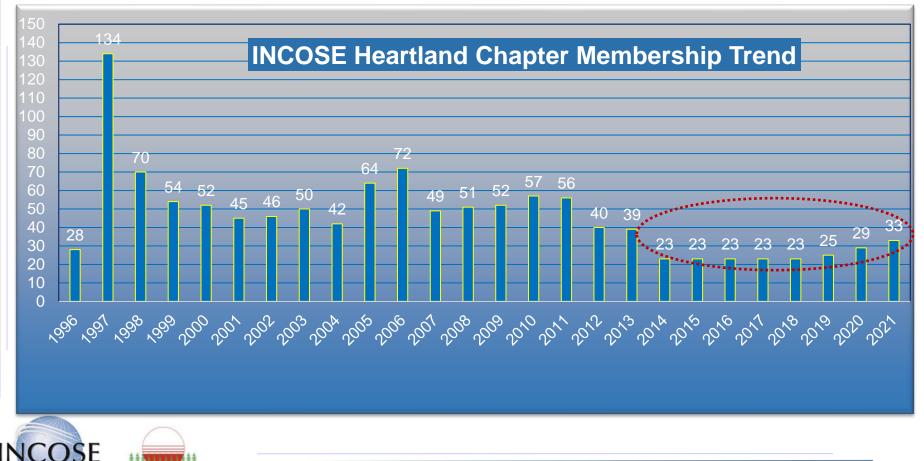
CIRCLE

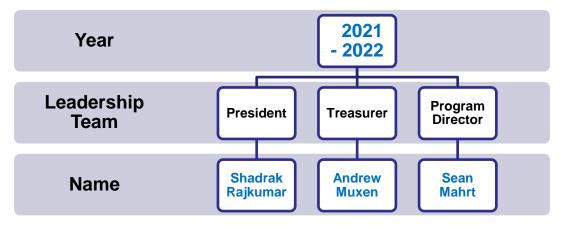
Heartland Chapter Officers

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		INCOSE Heart	land Chapter					
I		Historical Listing of Cha	pter Officers					
		President	Vice-President/ Pres	Secretary	Treasurer	Program Director	Chapter Awards	Significant Events
I	2021	Shadrak R Murugesan			Andrew Muxen	Sean Marht		Lunch & Learn Series with Dr. Burce
	2020	Obi Odenigbo	Shadrak R Murugesan		Andrew Muxen	Sean Marht		
	2019	Obi Odenigbo	Shadrak R Murugesan		Andrew Muxen			
	2015-2018				David Ratzer			
	2014	Chris Hansen	Brian Piddington	Open	David Ratzer			
	2013	Brian Piddington	Chris Hansen	Jennifer Hunt	David Ratzer			
		Brian Piddington	Chris Hansen	Jennifer Hunt	David Ratzer			
	2011	Raymond Jorgensen	Deborah McKenney	Kristen Brown	David Ratzer			
	2010	Raymond Jorgensen	Deborah McKenney	Kristen Brown	David Ratzer		Silver	
	2009	Greg A Johnson	Doug Dasgupta	Paul Huber	Raymond Jorgensen		Silver	
	2008	Greg A Johnson	Doug Dasgupta	Paul Huber	Raymond Jorgensen		Silver	
	2007	Jorge Buenfil	Greg A Johnson	Tony Thompson	Raymond Jorgensen		Silver	
		Jorge Buenfil	Greg A Johnson	Tony Thompson	Raymond Jorgensen	John Povacz	Silver	
	2005	Anthony Thompson	Jorge Buenfil	Raymond Jorgensen	John Povacz	John Povacz	Silver	
	2004	Anthony Thompson	Walid Shawbaki	Lisa Wilcox	John Povacz	John Povacz	Silver	
	2003	Raymond Jorgensen	Bruce V Smith	Anthony Thompson	Bernard Lettington	John Povacz	Silver	Avenue of the Saints Conference
	2002	Raymond Jorgensen	Bruce V Smith	Ian Philpott	Bernard Lettington	John Povacz		
	2001	Eileen Arnold	Raymond Jorgensen	Ian Philpott	Bruce V Smith	Raymond Jorgensen	Honorable Mention	
	2000	Eileen Arnold	Raymond Jorgensen	Ian Philpott	Bruce V Smith	Raymond Jorgensen		International Symposium - MSP
	1999	Steve Wolf	Eileen Arnold	Ian Philpott	Opal Emdin	Raymond Jorgensen		
	1998	Jake Jakoubek	Steve Wolf	Ian Philpott	lan Philpott	Raymond Jorgensen		
		Amy Nowakowski	Jake Jakoubek	Ian Philpott	Steve Wolf			
ļ		Amy Nowakowski	Jake Jakoubek	Ian Philpott	Steve Wolf			
l	1996	Chapter Founded						
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Open Positions

- Vice President
- Secretary
- Communication/Membership Director

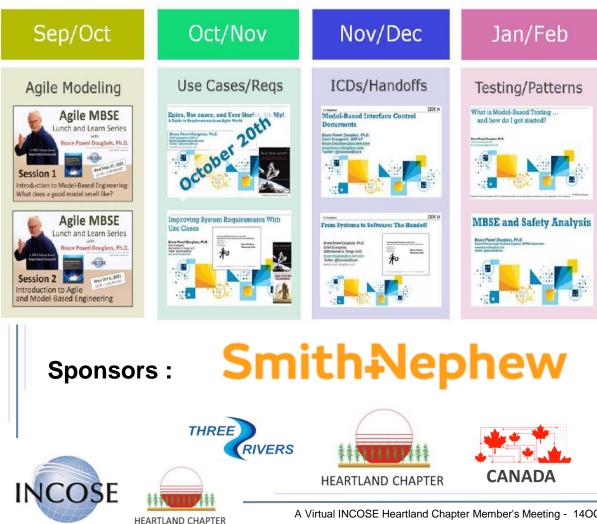




Contact: Heartland@incose.net

Volunteers

Needed!



- Agile MBSE Challenge Team
 - After Lunch & Learn series, we plan to start a Challenge Team to have Hands- On Experience on the Agile MBSE Approach.
 - Interested members can send email to Heartland@ incose.net
 - Stay tuned for more details.

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