



# **INCOSE Chicagoland Chapter Monthly Chapter Meeting Agenda**

**February 18, 2021**

Please MUTE your phone



## Agenda

- **6:30 – 7:00 PM CT** – Welcome, Announcements, Intros
- **7:00 – 8:30 PM CT** – The MBSE Workshop Report from INCOSE's IW January 2021  
Mark E. Sampson, INCOSE MBSE Initiative Chair



# MEMBERSHIP



## New Members

Welcome New Members within the last month:

<u>Name</u>	<u>Company/Institution</u>
Keith Lemon	Avanade
Brandon Jordon-Thaden	Phoenix LLC
Matthew Young	



## Renewing Members

Thank You for renewing your membership

<b><u>Name</u></b>	<b><u>Company/Institution</u></b>
Kirsten Davis	Purdue University
Jay Gundavelli	Honda R&D Americas, INC
Andrew Hussli	Accuray Incorporated
Bhuvana Palanisamy	Collins Aerospace
Rummana Sadiq	GN Resound



# Benefits of INCOSE Membership

## Professional Development

1. **Monthly speakers at Chapter Meetings** on topics relevant to System Engineering (later in this meeting)
2. **Monthly Webinars** on topics relevant to System Engineering (hosted by INCOSE Central). **SEPs can earn PDUs for attending!**

[incose.org/about-incose/community/webinar-showcase](https://incose.org/about-incose/community/webinar-showcase)

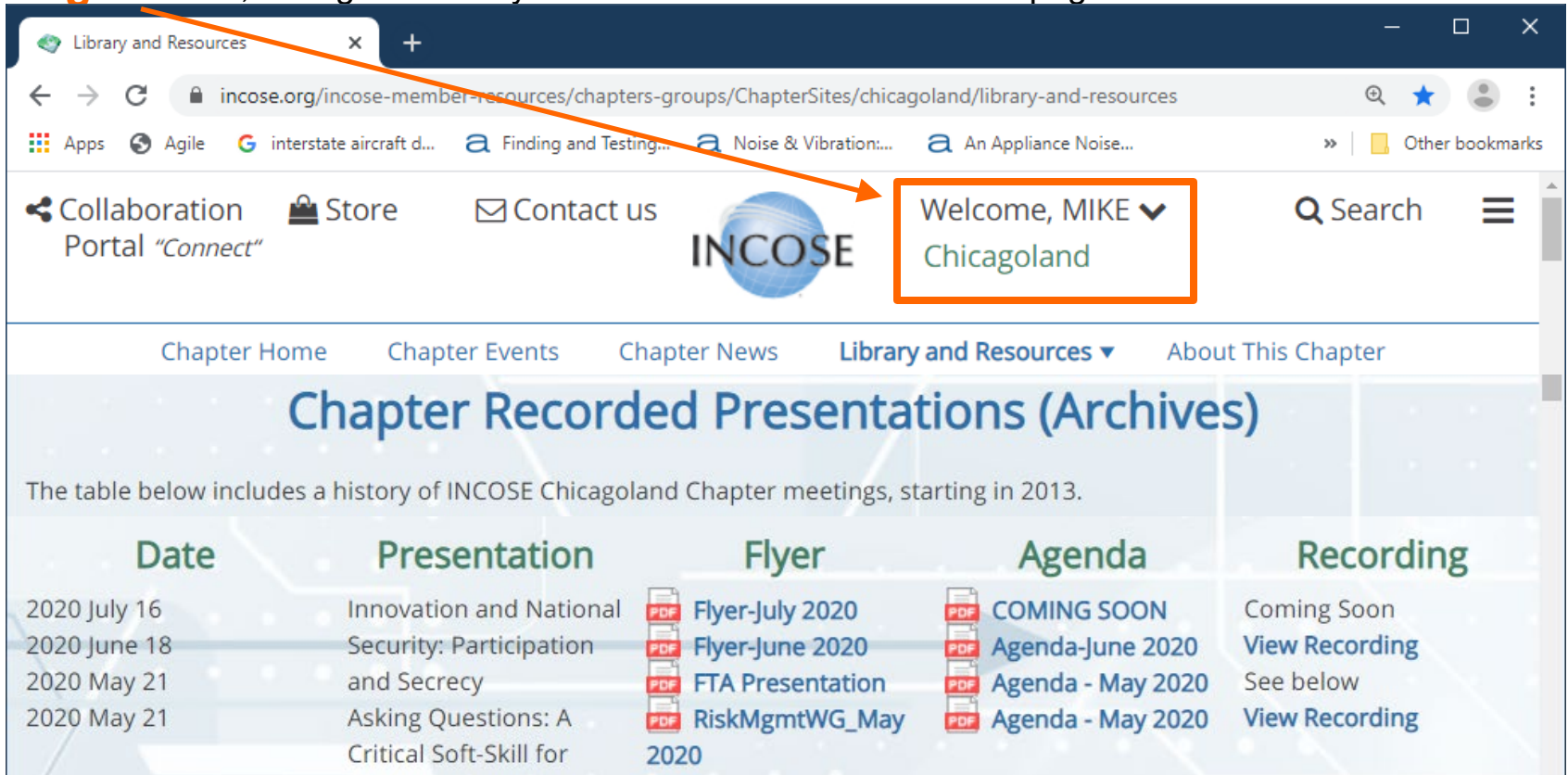


## Benefits of INCOSE Membership









### Professional Development (cont.)

#### 3. Recordings of speakers at Chapter Meetings from previous months

**Log in first**, then go to Library and Resources tab of our home page



The screenshot shows a web browser window with the URL [incose.org/incose-member-resources/chapters-groups/ChapterSites/chicagoland/library-and-resources](https://incose.org/incose-member-resources/chapters-groups/ChapterSites/chicagoland/library-and-resources). The page features a navigation bar with links for Collaboration Portal "Connect", Store, Contact us, and the INCOSE logo. A user is logged in as "MIKE" under the "Chicagoland" chapter, indicated by a dropdown menu. The main content area is titled "Chapter Recorded Presentations (Archives)" and includes a table of past meetings.

Date	Presentation	Flyer	Agenda	Recording
2020 July 16	Innovation and National	 <a href="#">Flyer-July 2020</a>	 <a href="#">COMING SOON</a>	Coming Soon
2020 June 18	Security: Participation	 <a href="#">Flyer-June 2020</a>	 <a href="#">Agenda-June 2020</a>	<a href="#">View Recording</a>
2020 May 21	and Secrecy	 <a href="#">FTA Presentation</a>	 <a href="#">Agenda - May 2020</a>	See below
2020 May 21	Asking Questions: A	 <a href="#">RiskMgmtWG_May 2020</a>	 <a href="#">Agenda - May 2020</a>	<a href="#">View Recording</a>
	Critical Soft-Skill for			





## Benefits of INCOSE Membership (Cont.)

### Professional Development (cont.)

#### 4. Access to INCOSE Periodicals:

Digital versions are included with your membership. All published 4 times per year.

#### a) Systems Engineering (SE) Journal

*Systems Engineering*, INCOSE's scholarly journal, is a primary source of multidisciplinary information for the systems engineering and management of products and services, and processes of all types.

Members may access the journal online at the [Wiley InterScience - Systems Engineering](https://onlinelibrary.wiley.com/journal/15206858) site: <https://onlinelibrary.wiley.com/journal/15206858>

#### b) INSIGHT Magazine

*INSIGHT* is the Practitioners' Magazine of INCOSE.

Members may access the magazine online at the Connect site: <https://connect.incose.org/Library/InsightMagazine/default.aspx>

#### c) INCOSE Members Newsletter

Emailed out to members each quarter.





# Benefits of INCOSE Membership

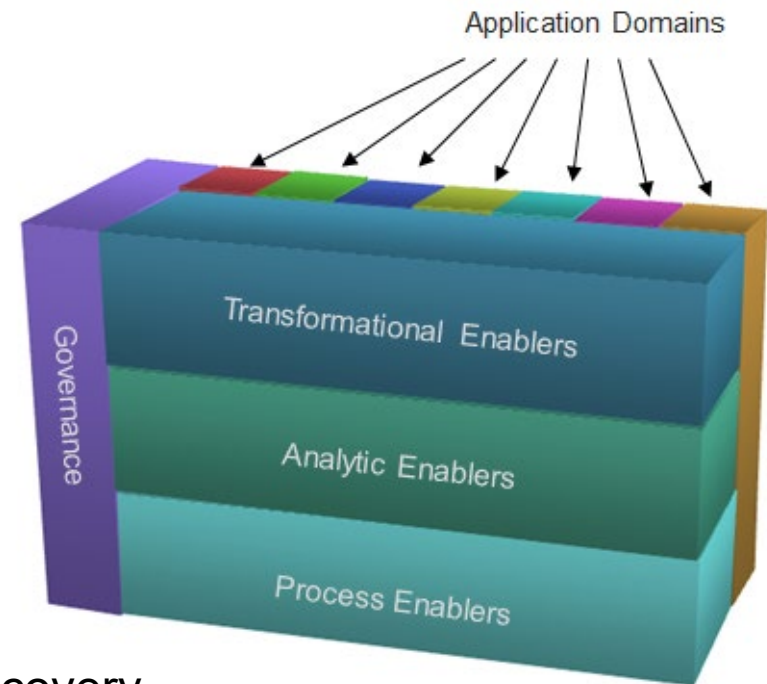
## Professional Development (cont.)

### 5. Access to the output of **48 INCOSE Working Groups**

<https://www.incose.org/iw2020/program/working-group-information-sheet>

Just a few examples:

- Automotive
- Lean Systems Engineering
- Configuration Management
- Healthcare
- Risk Management
- Natural Systems
- Systems Security Engineering
- Training
- Critical Infrastructure Protection and Recovery





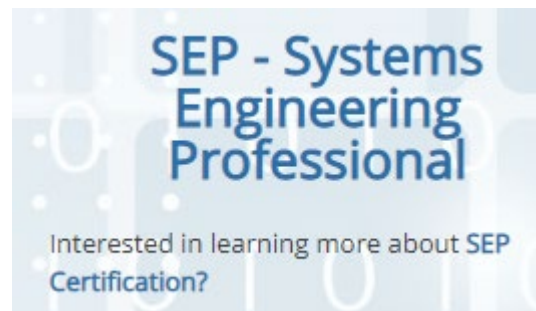
## Benefits of INCOSE Membership (Cont.)

### Professional Development (cont.)

**6. INCOSE Connect:** content developed by Chapters and Working Groups  
(Click on “INCOSE CONNECT” on the Chapter’s home page)



**7. System Engineering Certification** (ASEP, CSEP, ESEP)  
(Click on “SEP Certification” on the Chapter’s home page)





## Benefits of INCOSE Membership (Cont.)

### Professional Development (cont.)

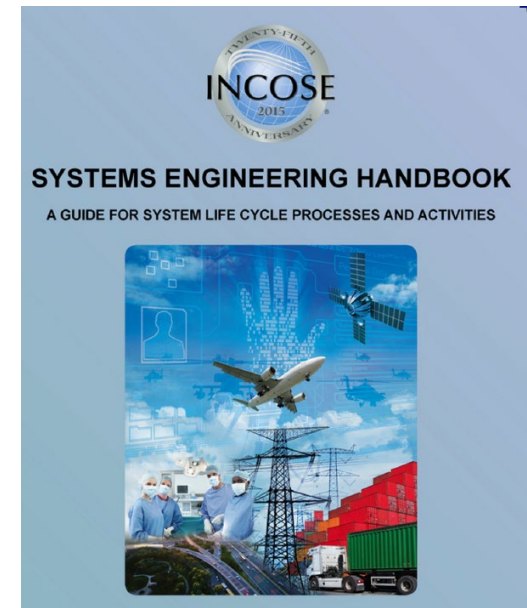
9. Access to the INCOSE Store for discounted and **free** publications:



Current texts on Systems Engineering, including

- Systems Product Line Engineering Handbook
- Guide for Writing Requirements
- System of Systems Primer
- Product Line Engineering Primer
- Systems Engineering Handbook

**Free to download**





## Benefits of INCOSE Membership (Cont.)

### Professional Development (cont.)

#### 10. Access to Tweets on **new job leads** (from Chapter web site):

Missing out on chapter news, events and promotions? Get on our [email list](#)!

Have a question for the INCOSE Chicagoland Chapter? email us at [incose.chicago@gmail.com](mailto:incose.chicago@gmail.com)



#### 11. Access to INCOSE's **System Engineering Job Board**:

<http://incose.careerwebsite.com/>

#### 12. Free Resume Review Service

Email your resume to [incose.resume@gmail.com](mailto:incose.resume@gmail.com) for a review by Systems Engineering managers.



## Benefits of INCOSE Membership (Cont.)

### 13. Networking Opportunities

18,000+ INCOSE members worldwide

Networking for yourself and for employees!

- Before and after Chapter events

- Supporting your Chapter

- Supporting a Working Group

- Workshops/Symposiums

- Share SE Job postings at meetings & in members-only e-mail

### 14. Leadership Opportunities

Chapter Board of Directors (listed on Chapter website, under 'About This Chapter')

Chapter Committee participation

- Micro-volunteering Roles Available**

- (Roles as small as data entry or company networking)

Working Group participation (Two board members co-chair working groups!)





## Benefits of INCOSE Membership (Cont.)

### 16. Helping Others

- Share SE knowledge/experience with:
  - New SEs
  - Professional Societies
  - K-12, college students
- Advance the art/profession of Systems Engineering
- Establish your brand
- “Pay It Forward”





## How to Join INCOSE

1. Go to [www.incose.org](http://www.incose.org)
2. Click on “Join us”
3. Provide information, including your company / institution. This helps the chapter identify programs that will be of interest to the greatest number of chapter members.
4. Select chapter affiliation – “Chicagoland”
5. Pay \$160 for 1-year membership (or select a longer term at a lower rate)

Student membership - \$50


Refer a new member? Get an Amazon gift card!

Email Richard Matt, Membership Chair, at [richard.matt@incose.org](mailto:richard.matt@incose.org)



 Join us

 Login

 Search

A better world through a systems approach



# SE CERTIFICATION



## Three SE Certification Levels



If you have just started practicing – or want to start practicing – systems engineering, then ASEP is for you. This certification is for people at the beginning of their career as a systems engineer. The ASEP has “book knowledge” but not yet significant experience as a systems engineer.



If you are a practicing Systems Engineer with more than five years of systems engineering professional work experience, then CSEP is for you.



If you are a systems engineering leader with recognized systems accomplishments and have many years of systems engineering professional work experience, then ESEP is for you.

For more information on SE Certification, go to:

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



## SE Certification Levels for experienced practitioners



**WE KNOW A THING OR TWO BECAUSE  
WE'VE SEEN A THING OR TWO.**



Certification provides a means to be recognized for your knowledge and years of SE experience.



## SEP Certification Mentors

If:

- you are an INCOSE member, and
- you are interested in becoming certified as a Systems Engineering Professional (SEP), and
- you have questions about the certification process

Then:

- you can contact one of our SEP Certification Mentors for assistance in getting your questions answered:

INCOSE Member	SEP Level achieved	Email Address
Steve Perich	CSEP	chitownse2@yahoo.com
Chris Freund	ASEP	cfreund7@gmail.com





## NEW SCHAUMBURG MEETING LOCATION

# Aerotek and EASi Engineering Services



**EASi**®  
Amazing Begins Here™

1501 E. Woodfield Rd Suite 300N  
Schaumburg, IL 60173



***starting date pending***





# VOLUNTEER OPPORTUNITIES



## **Volunteer Opportunities**

**These positions are open**

Ambassador (for your company)

Volunteer Coordinator

**Interested in helping out?**

Contact: Mike Gut, Chapter President, via email:

[mike.gut@incose.org](mailto:mike.gut@incose.org)



# UPCOMING INCOSE EVENTS



## Upcoming Board Meetings

**Board Meetings on the first Thursday of each month**

- Meetings are open to all members
- Next meeting: Thursday, **March 4**, 7:00 – 9:00 PM CT  
(virtual mtg - attend via web conference)
- Plenty of opportunities to get involved!
  - Leadership and contributor opportunities available
  - Grow your networking!

**Interested in helping out?**

Contact: Mike Gut, Chapter President, via email:

[mike.gut@incose.org](mailto:mike.gut@incose.org)



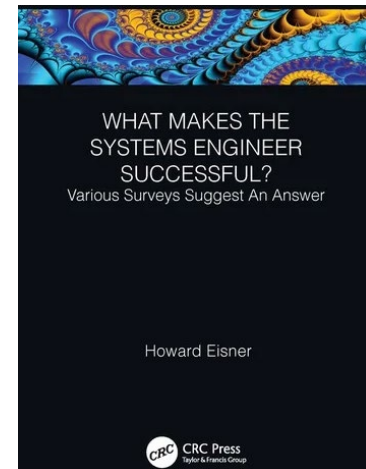
## March Chapter Meeting

Dr. Howard Eisner, Professor Emeritus, George Washington University,  
presenting his latest book:

### **What makes the Systems Engineer Successful? Various Surveys Suggest An Answer**

**A copy of this exciting book will be raffled off at the  
end of the meeting. By registering and attending, you  
will automatically be entered in the raffle!**

***Wednesday, March 17!***





*Sector*  
**Americas** ★  
**NC-GLRC**

*INCOSE Chapters  
Regional Conference*







**Virtual Regional  
Conference and Workshop**  
**April 9-17, 2021**  
★ Systems Engineering  
Capability and Competency



## **14th Annual INCOSE Americas North-Central and Great Lakes Regional Conference (NC-GLRC14)**

- ☐ An all-virtual event – Expanded in 2021 (INCOSE Canada Chapter, and more)
- ☐ 30+ technical presentations, 6 tutorials, 7 Featured Presentations
- ☐ Opens Friday April 9<sup>th</sup> with 8-hour, 8-PDU, Systems Engineering Professional Development Day (SE-PDD) Livestream (available separately)
- ☐ Registration OPEN on or about March 9, 2021
- ☐ \$50 - \$100 (INCOSE member) price range

[www.incose.org/GLRC](http://www.incose.org/GLRC)



# Spring Tutorial

## Systems Engineering for Legacy Systems

Instructor – David D. Walden, ESEP

Date: Friday & Saturday, 30 April – 1 May

08:00 -13:00 Central Time

Delivered Virtually, via Zoom



*In this seminar, you will learn*

How to effectively plan and manage a Brownfield development effort

How to perform a site survey and as-is system reconstruction

How Brownfield development affects your requirements, architecture, and design

How to effectively integrate your systems in a Brownfield development environment

Effective verification and validation in a Brownfield development environment



# INTRODUCTIONS



## Personal Introductions

For this online meeting, we will do individual introductions, proceeding in the order of the day of your birthday: ***1st, 2nd, 3rd, etc.***

***Stay muted, then unmute when you want to speak, then mute yourself when finished***

- Name, Title & what do you do (30 seconds)
- Company / locale
- Are you an INCOSE member, and if so, for how long?
- Job opportunities at your company, if any, or announce if you are looking for an opportunity



# FEATURE PRESENTATION

[Start recording]





# Tonight's Presentation

## The MBSE Workshop Report from INCOSE's IW January 2021



### Mark E. Sampson, INCOSE MBSE Initiative Chair

Mark Sampson is the Chair of the INCOSE MBSE Initiative pursuing systems engineering transformation to a model-based discipline. After graduating with a BS in Computer Engineering from BYU, Mark started his career at Texas Instruments where he quickly discovered how other domains effected his product's success, prompting him to join a fledgling System Engineering Professional Society (INCOSE membership #950) and pursue a MS in Systems Engineering at USC and putting him on a career path around scaling systems engineering. Mark was a founding member of the INCOSE N. Texas Chapter, has served in a variety of local and international-level leadership roles including INCOSE Technical Board overseeing modeling and tools strategies including MBSE Initiative which covers SE data exchange standards, SysML system modeling languages, and continuing programs such as the popular annual INCOSE MBSE Workshops and the MBSE Lightning Rounds. Mark has published a number of articles on MBSE in various journals including INCOSE Symposia, Insight, IEEE Spectrum, and a number of blogs (google: Mark Sampson Siemens MBSE blog). In addition, Mark is an adjunct professor at SMU where he teaches graduate-level Systems Engineering courses.

[Transfer Screen to Presenter - Wait for Starting Slide, Introduce Speaker, Start recording]





# Thank you for attending, see you next month!

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