



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

August 19, 2021

Please MUTE your phone



## Agenda

- **6:30 – 7:00 PM CT** – Welcome, Announcements, Intros
- **7:00 – 8:30 PM CT** – Feature Presentation  
Understanding Stakeholder's Needs Before Defining  
Requirements and INCOSE Chicagoland 2022 Spring Seminar  
Overview  
Lou Wheatcraft  
Senior Consultant and Managing Member at Wheatland  
Consulting, LLC



# MEMBERSHIP



## New Members

Welcome to New Members within the last month!

<u>Name</u>	<u>Company/Institution</u>
Kevin Kissel	Progress Rail



## Renewing Members

Thank You for renewing your membership

<b><u>Name</u></b>	<b><u>Company/Institution</u></b>
Arsh Bhatnagar	Fluor Corporation
Jeremy Feldstein	Northrop Grumman
Charles Johnson	Leonardo DRS
Xiaoxiao Lu	
Clinton Middaugh	Sierra Nevada Corporation
John Riege	Woodward, Inc.
Pierre VanHuyssteen	Korry Electronics Co.



# Benefits of INCOSE Membership

## Professional Development

1. **Monthly speakers at Chapter Meetings** on topics relevant to System Engineering (later in this meeting)
2. **INCOSE Virtual Community.** Participate live or view recorded meetings with recognized Systems Engineering experts.

**SEPs can earn PDUs for attending!**



INCOSE Systems Exchange Cafés



INCOSE Webinar Showcase

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



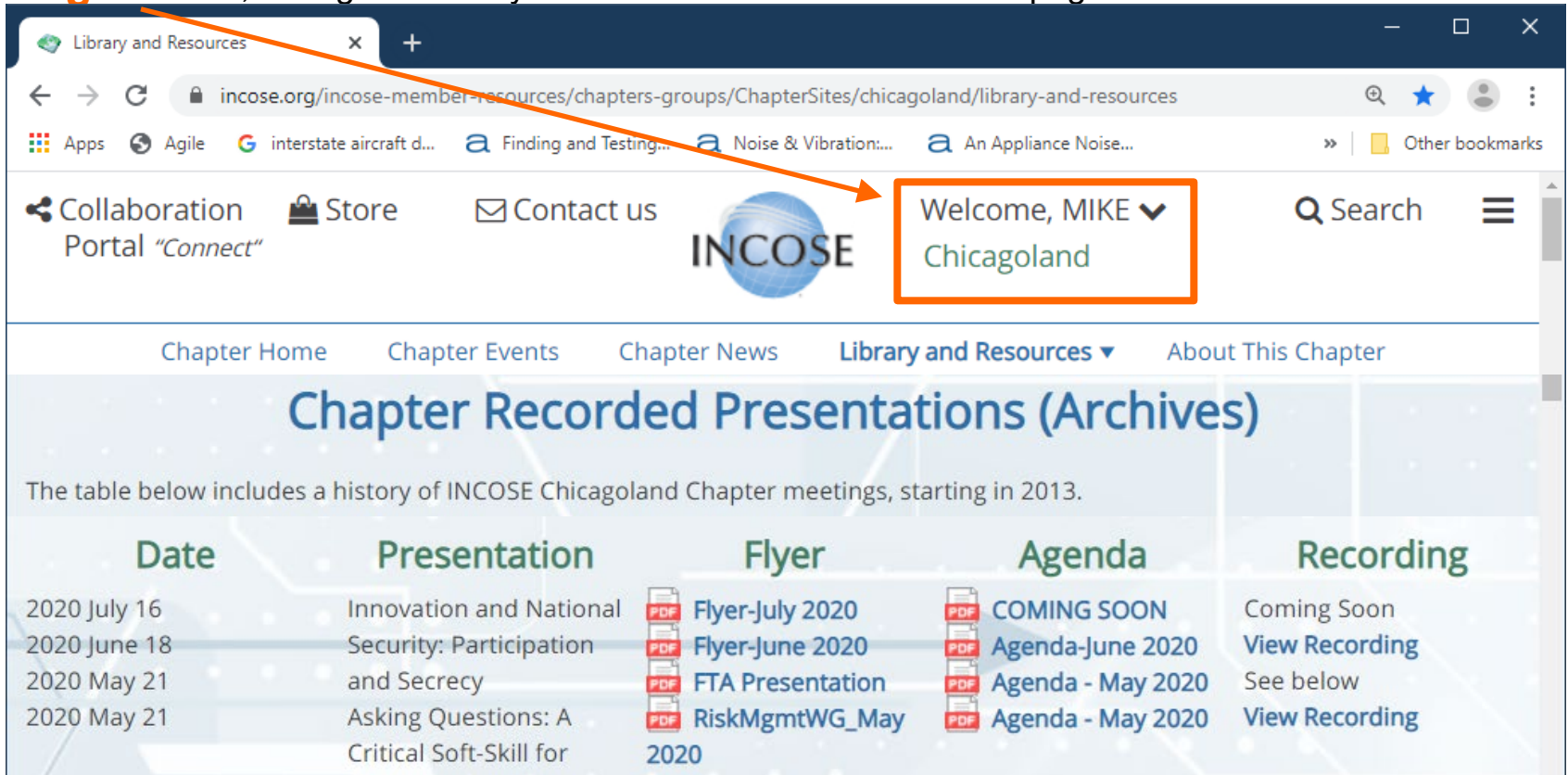


## Benefits of INCOSE Membership









### 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, which is highlighted with an orange box. Below the navigation bar, the "Library and Resources" tab is selected. 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

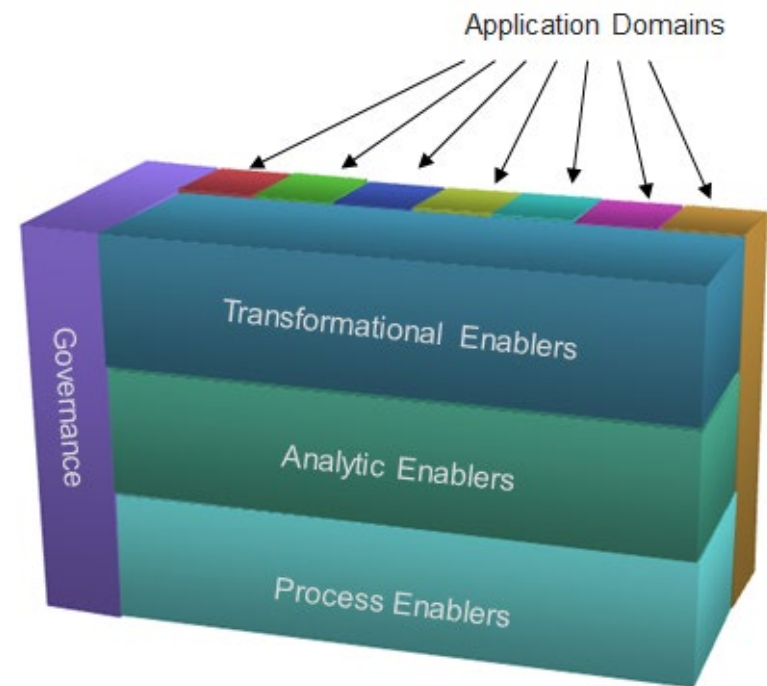
## Professional Development (cont.)

### 5. Access to the output of **50 INCOSE Working Groups**

<https://www.incose.org/incose-member-resources/working-groups>

Just a few examples:

- Automotive
- Defense Systems
- Configuration Management
- Healthcare
- Risk Management
- Integration, Verification & Validation
- Small Business Systems Engineering
- Space Systems
- Value Proposition Initiative





## 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.)

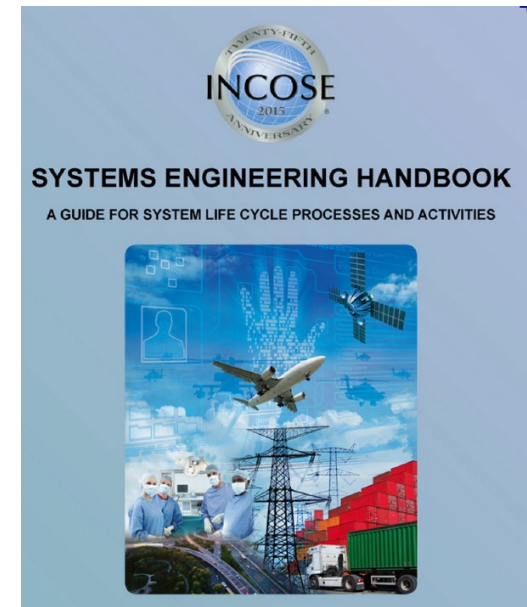
7. Access to the INCOSE Store for discounted and **free** publications:



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.)

#### 8. 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)



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

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

#### 10. 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.)

### 11. 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

### 12. 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.)

### 13. 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)



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



# CHAPTER CIRCLE AWARDS





## Circle Awards Program

- Incentive program to encourage Chapter activities that support the objectives of INCOSE
- The Chicagoland Chapter has been awarded the **GOLD** Award for 2020 !
- Chapter history: Platinum 2017 & 2019, Gold 2018, 2016 to 2012, Silver 2011, Bronze 2009



2020



2017  
2019



2018  
2012-2016



2011



2009



## NEW SCHAUMBURG MEETING LOCATION

**Actalent** (formerly Aerotek's Engineering and Sciences divisions and EASi)



Actalent is an operating company of Allegis Group, leader in talent solutions.

***starting date pending***



[actalentservices.com](https://actalentservices.com)



# **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)



## Call for Presenters and Topics

**Have a particular SE technique you would like to share?**

**Would you like to showcase how SE is used at your company?**

**Are there SE tools and skills that would benefit your career?**

**Let us know!**

Contact Gary Oswald, Program Chair:

[oswaldgary33@gmail.com](mailto:oswaldgary33@gmail.com)



# UPCOMING INCOSE EVENTS





## Upcoming Board Meetings

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

- Meetings are open to all members
- Next meeting: Thursday, **September 2**, 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)



**Next month: Joint Chapter Meeting  
INCOSE Chicagoland Chapter and  
the Windy City Chapter of the Association of Old Crows**

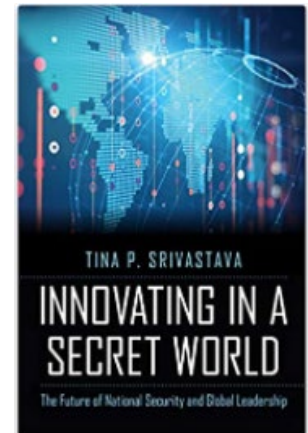


**Technology Transfer across the Public and Private  
Sector**

**Dr. Tina P. Srivastava, author of Innovating in a Secret  
World**

**A free copy of this exciting book will be raffled off  
at the meeting and sent to the lucky winner!**

**By attending the meeting, you will automatically  
be entered into the raffle!**



***Thursday, September 16!***



# INCOSE Fall Tutorial 2021

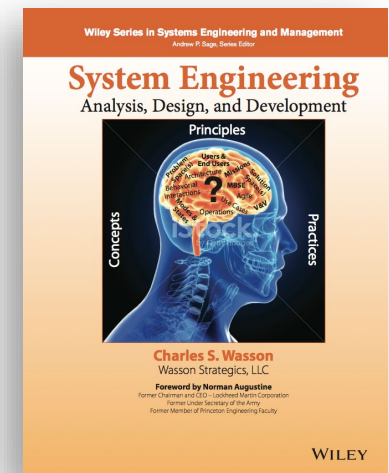
## Correcting Systems Engineering Performance Contributions to Project Technical, Cost, and Schedule Performance Issues

Friday, November 12th

- ❑ Explore the current state of Systems Engineering practice and its issues.
- ❑ Gain a better perspective as to how SE contributes to project performance issues.
- ❑ Learn corrective action solutions to “takeback” to your organization to deal with the SE contributions to project technical, cost, and schedule performance issues.
- ❑ Participants will receive electronic copies of seminar reference materials in advance

Presenter, Charles Wasson, INCOSE Fellow and ESEP, will provide an overview of the seminar at the INCOSE Chicagoland Chapter Meeting on Thursday, October 21<sup>st</sup>

**A free copy of his book, *System Engineering Analysis, Design, and Development Concepts, Principles, and Practices* will be raffled off at the October Chapter meeting! By attending the meeting, you will automatically be entered into the raffle!**





# 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**

### **Understanding Stakeholder's Needs Before Defining Requirements and INCOSE Chicagoland 2022 Spring Seminar Overview**



**Lou Wheatcraft**

**Senior Consultant and Managing  
Member at Wheatland Consulting, LLC**

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



# Next month: Joint Chapter Meeting INCOSE Chicagoland Chapter and the Windy City Chapter of the Association of Old Crows

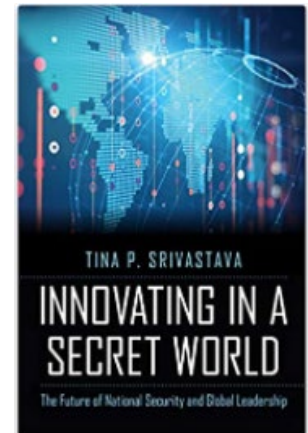


## Technology Transfer across the Public and Private Sector

Dr. Tina P. Srivastava, author of *Innovating in a Secret  
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## Thursday, September 16!