



INCOSE Chicagoland Chapter Monthly Chapter Meeting Agenda

May 21, 2020

Please MUTE your phone

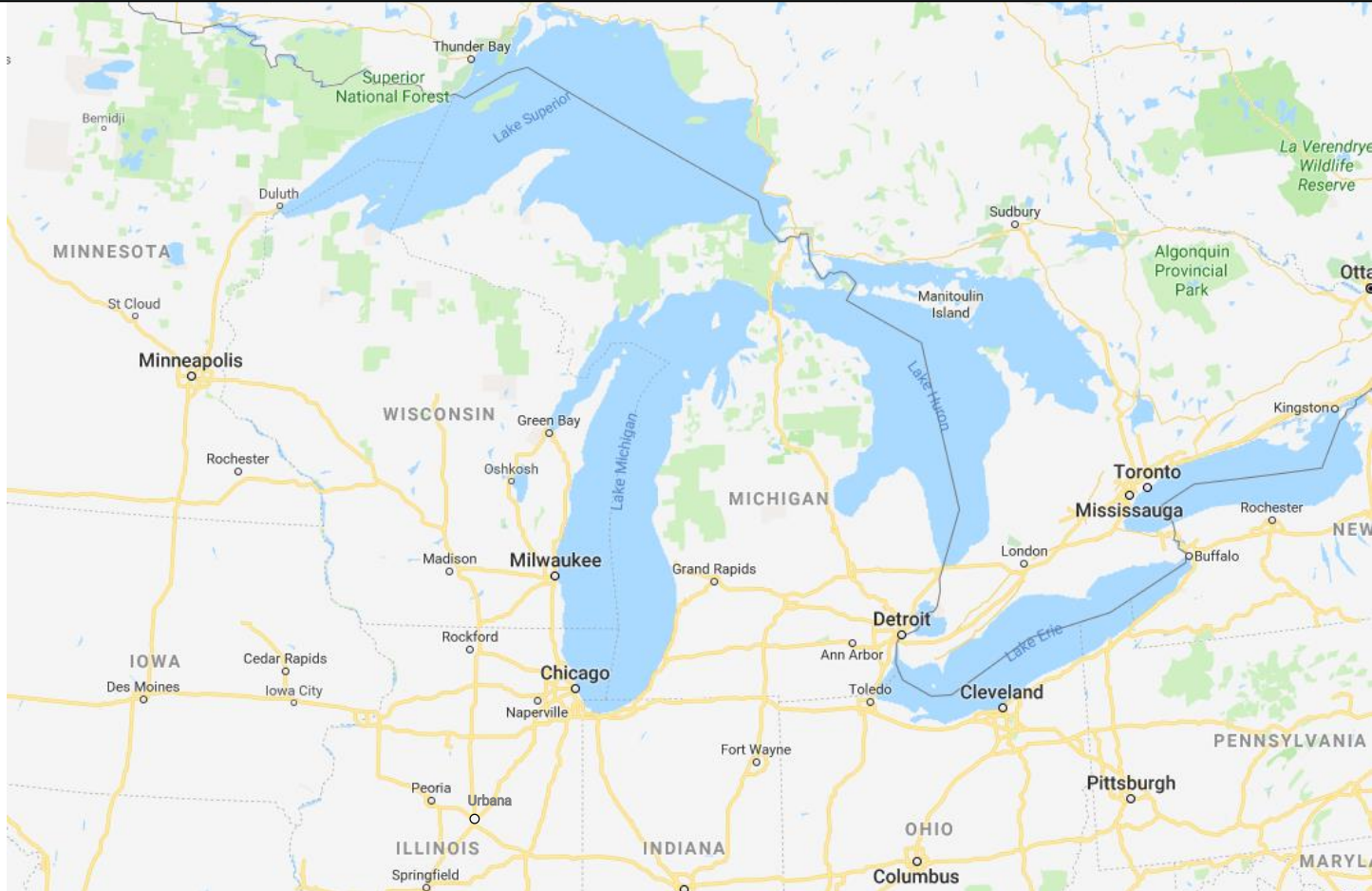


Agenda

- **6:30 – 7:00 PM CT** – Welcome, Announcements, Intros
- **7:00 – 7:15 PM CT** – Mini Presentation on the INCOSE Risk Management Working Group
- **7:15 – 8:15 PM CT** – Feature Presentation
Saving Millions with Fault Tree Analysis



Welcome remote attendees!





Chicagoland Chapter Celebrates Tenth Anniversary





Chicagoland Chapter Celebrates Tenth Anniversary



Anniversary celebration will feature a live presentation by Tony Williams, INCOSE Director, Americas Sector.





MEMBERSHIP



New Members

Welcome to these New Members of the Chicagoland Chapter

Name	Company/Institution
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Matthew Graff	
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Scott Walter	
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Marc Yap	Northrop Grumman
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Renewing Members

Thank You for renewing your membership

Name

Company/Institution

Brian Anderson

Oshkosh Defense LLC

Subramanian Arunachalam

CNH Industrial America

Mike Gut

ICU Medical

Bela Kiraly

Natus Medical

Kendra Kreutz

Kendra Kreutz Consulting, LLC

Malathi Narnur

CNH Industrial

Naweed Paya

Stephen Perich

AbbVie, Inc.

Brett Peters

Jim Streed


Motorola Solutions



Benefits of INCOSE Membership

Professional Development

1. **Monthly speakers at Chapter Meetings** on topics relevant to System Engineering (later in this meeting)
2. **Recordings of speakers at Chapter Meetings** from previous months (Click on the 'Library and Resources' tab of our home page.)


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Chapter Recorded Presentations (Archives)

The table below includes a history of INCOSE Chicagoland Chapter meetings, starting in 2013. Whenever possible, presentation slides and recorded meetings are made available to INCOSE members through the [INCOSE Chicagoland Collaboration Site](#) on INCOSE Connect.

3. **Monthly Webinars** on topics relevant to System Engineering (hosted by INCOSE Central)



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

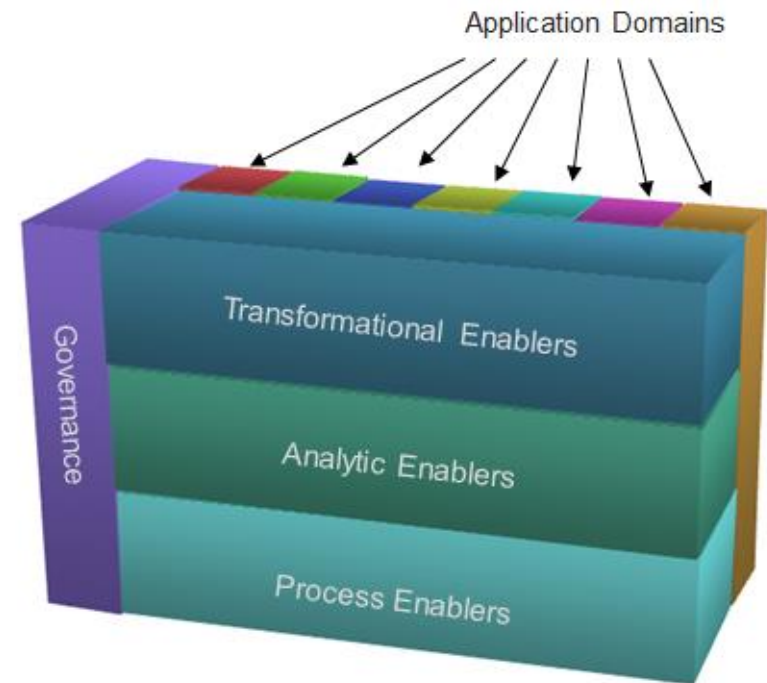
Professional Development (cont.)

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

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

Just a few examples:

- Architecture
- Complex Systems
- Defense
- Healthcare
- Risk Management
- Soft Skills
- Product Line Engineering
- Decision Analysis





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.)

8. Access a list of events across INCOSE:



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Join us for our monthly chapter meeting on at 6:30 PM on the third Thursday of the month. Meeting location, web conference details, and registration links can be found below.

INCOSE Chicagoland Chapter Events

- May 2019 Chapter Meeting – From The Beginning – Thoughts on the Past, Present and Future of Systems Engineering

Dates: 16 – 16 May, 2019

Events Across INCOSE

- INCOSE-LA Chapter Speaker Meeting - Using a System-of-Systems Approach to Create and Test Interorbital's NEPTUNE Small-Sat Launcher with Randa Milliron



Benefits of INCOSE Membership (Cont.)

Professional Development (cont.)

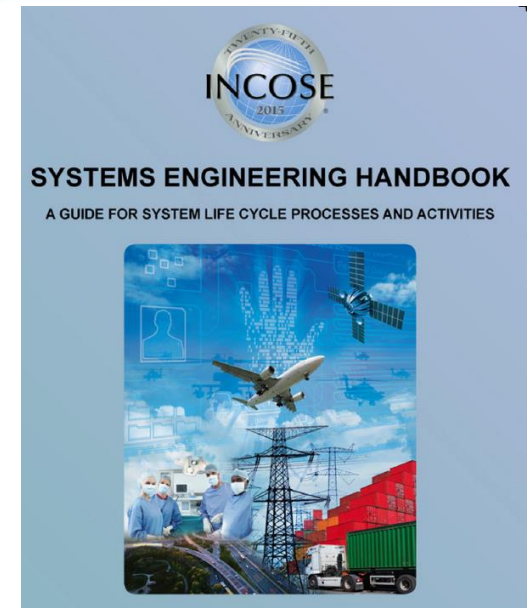
9. Access to the INCOSE Store for discounted and **free** publications:



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



- 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 for a review by Systems Engineering managers.



Benefits of INCOSE Membership (Cont.)

Networking Opportunities

- 18,000+ INCOSE members worldwide
- Networking for yourself and for employees!
 1. Before and after Chapter events
 2. Supporting your Chapter
 3. Supporting a Working Group
 4. Workshops/Symposiums
 5. Share SE Job postings at meetings & in members-only e-mail

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.)

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”

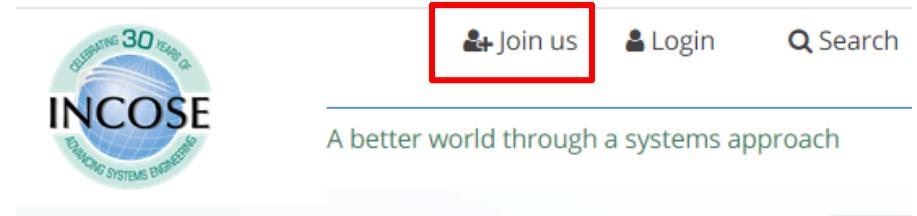


How to Join INCOSE

1. Go to www.incose.org
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





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
Russell Kubychuck	CSEP	crk022@gmail.com
Chris Freund	ASEP	cfreund7@gmail.com



CHAPTER CIRCLE AWARDS



Circle Awards Program

The Chicagoland Chapter has been awarded the

PLATINUM

Award for 2019 !



2018

2017

2016 to 2012

2011

2009



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



Chicagoland BoD Volunteer Openings

We are looking for volunteers to fill 2 key openings on the Chicagoland Chapter BoD:

- 1) Vice President
- 2) Industry Outreach Representative

If interested in volunteering, please contact:
Mike Gut, Chapter President, via email at:

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, **June 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



Upcoming Chapter Meetings

**June 18 Asking Questions: A Critical Soft Skill for
Systems Engineers**

Dave D. Walden, ESEP, Sysnovation

July 16 Innovating in a Secret World
Tina Srivastava as featured by MIT and the
National Defense Magazine

as always, third Thursday of the month!



INCOSE Systems Exchange Virtual Café

First Zoom meeting:
June 5 12 noon CST

First Session topic:
Systems Engineering and
System Definitions

(INCOSE members download
the book free of charge)



<https://www.incose.org/about-incose/community/virtual-cafe>



6th Annual Systems Engineering in Healthcare Conference



Healthcare
Working Group



Minneapolis, MN

Theme: Advancing the Practice of Systems Engineering in the Healthcare Industry

For more info, go to

<https://www.incose.org/hwg-conference>

The Chicagoland Chapter is a SILVER SPONSOR of this conference.

Rescheduled to October 5-7, 2020



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



WORKING GROUP MINI- PRESENTATION



**Here to give us an update on the
INCOSE Risk Management Working Group is:**

**Mr. Jack Stein
Co-Chair of the INCOSE Risk Management WG
Assistant Director of the INCOSE Americas Sector North,
(Great Lakes) Region**

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FEATURE PRESENTATION



Tonight's Presentation

Saving Millions with Fault Tree Analysis

Richard Matt, Medical Product Consultant
at Midwest Consulting



Richard Matt has 30 years' experience as a Systems Engineer, working in a variety of industries from aerospace to industrial instrumentation to medical products, in companies ranging in size from 3 person start-ups to \$3B / yr. corporations. He has led the development of products that grew his company's stock value by 400% and 900%, and established key IP to protect the patent position of a ¼ B / yr. corporation, and is currently engaged as a consultant, specializing in program management, product design, product remediation, risk mitigation, and biocompatibility.

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



Thank You for attending!

See you at next month's Chapter Meeting!

**Topic: Asking Questions: A Critical Soft Skill for
Systems Engineers**