



CHICAGOLAND



INCOSE Chicagoland Chapter Monthly Chapter Meeting Agenda

June 20, 2019

Please sign the Attendance Sheet and
verify that your contact information is current



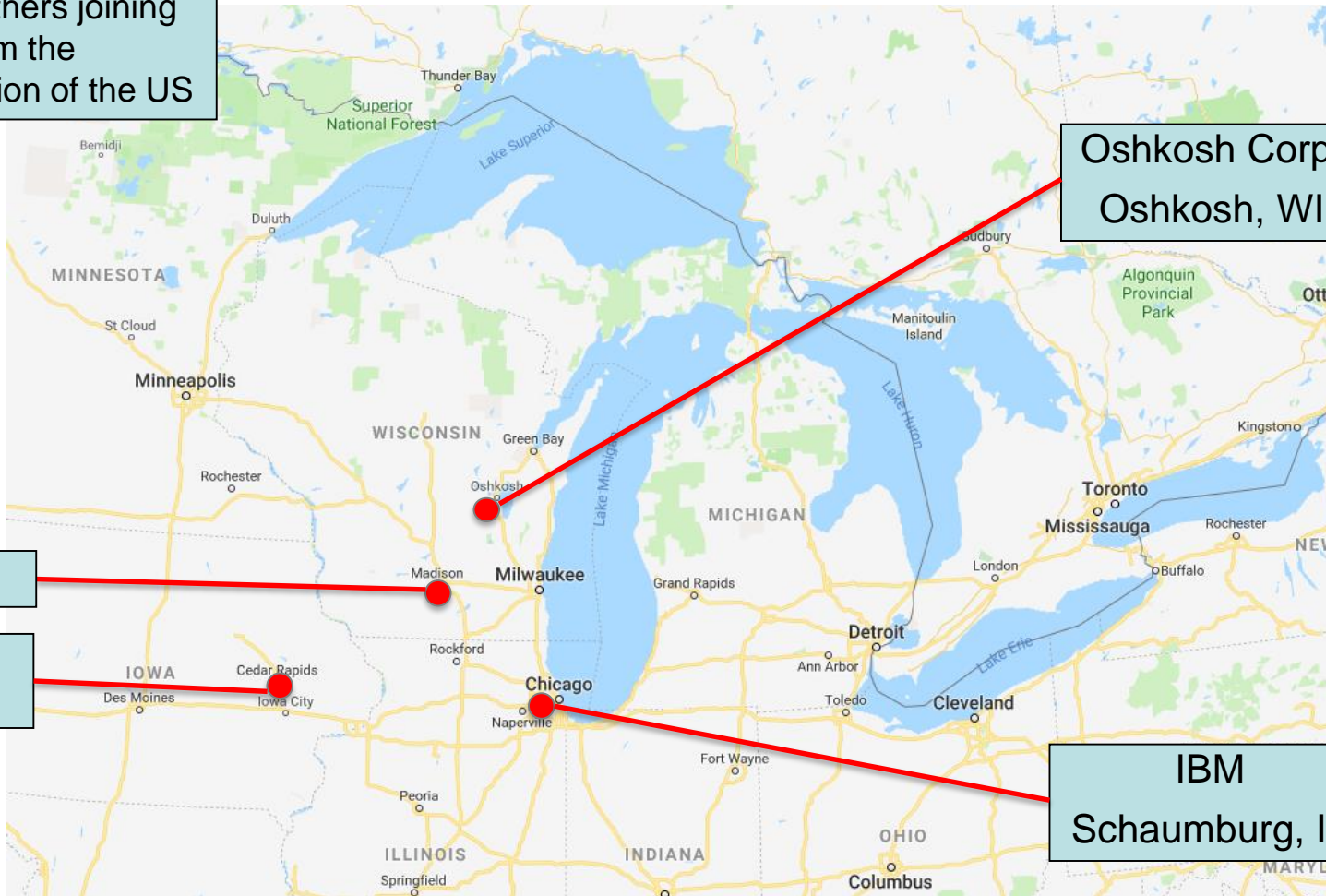
Agenda

- **6:00 – 6:30 PM CT** – Networking and Dinner
- **6:30 – 6:45 PM CT** – Welcome, Announcements, Intros
- **6:45 – 7:00 PM CT** – INCOSE System Safety Working Group Mini-Presentation
- **7:00 – 8:15 PM CT** – Feature Presentation
- **8:15 – ???** – Networking



Welcome All Sites

And many others joining remotely from the northern region of the US



bb7

Heartland Chapter

Oshkosh Corp.
Oshkosh, WI

IBM
Schaumburg, IL



Welcome All Sites

- Do several people from your office attend?
If so, consider establishing a remote site to build interest and networking opportunities:
 - Start out as a “closed” site for employees only
 - Could open up to general membership later
 - Opportunity for ambassadorship
- Interested in becoming an Ambassador?
 - Be the liaison between INCOSE and your organization
 - Contact Steve Perich, Chapter President, via email:
chitownse2@yahoo.com



CHICAGOLAND



MEMBERSHIP



New Members

Welcome New Members within the last month:

<u>Name</u>	<u>Company / Institution</u>
Keller, Brent	?
Lippke, Christopher	Northrop Grumman Corp.
Stafsholt, Kevin	John Deere



Renewing Members

Welcome Renewing Members within the last month:


<u>Name</u>	<u>Company / Institution</u>
Brown, Dale	Hatch
Middaugh, Clinton	Sierra Nevada Corporation
Rote, Scott	Design Integrity
Sanders-Unrein, Wayne	?
Wu, Yifu	John Deere



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.)


 Collaboration
Portal "Connect"


 Store

 Contact us



 Join us
Chicagoland

 Login

 Search



[Chapter Home](#)

[Chapter Events](#)

[Chapter News](#)

[Library and Resources](#) ▼

[About This Chapter](#)

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.



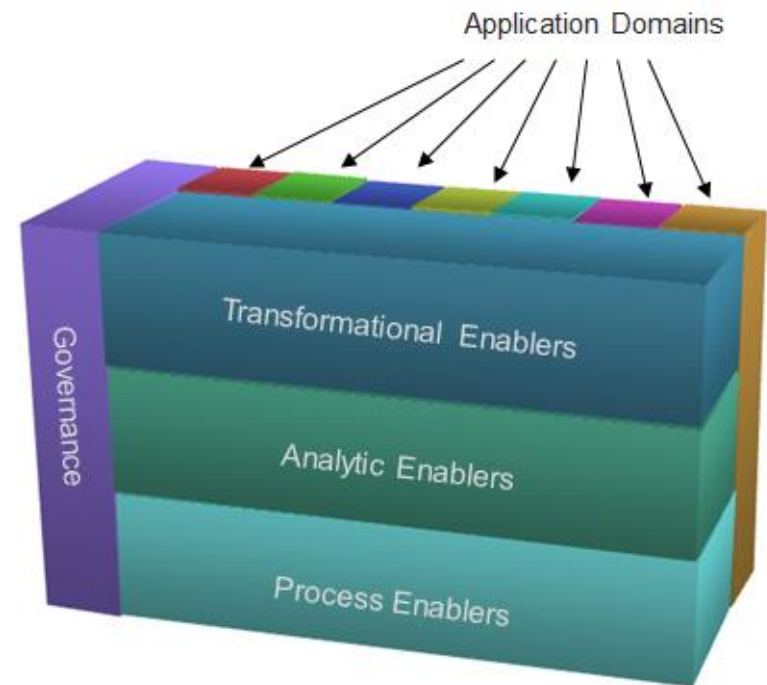
Benefits of INCOSE Membership

Professional Development (cont.)

5. Access to the output of over **40+ INCOSE Working Groups** (Google “INCOSE Working Group”):

Examples:

- Requirements (Rqmts Writing Guide)
- Agile SE
- Architecture
- Healthcare
- MBSE Initiative
- SE in Very Small Entities (VSE)
- Product Lines
- Training





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 over 30 events across INCOSE:

[Collaboration Portal "Connect"](#)
[Store](#)
[Contact us](#)

[Chicagoland](#)
[Join us](#)
[Login](#)
[Search](#)


[Chapter Home](#)
[Chapter Events](#)
[Chapter News](#)
[Library and Resources](#)
[About This Chapter](#)

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 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



10. Access to INCOSE's **System Engineering Job Board**: <http://incose.careerwebsite.com/>

11. 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

- 17,000+ 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 Xchapter 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 the INCOSE Website – www.incose.org
2. Click on “Join us”
3. Provide information
4. **Select chapter affiliation – “Chicagoland”**
5. Pay \$145 for 1-year membership (or select a longer term at a lower rate)

Refer a new member? Get an Amazon gift card!

Email Richard Matt, Membership Chair, at moose16@mindspring.com



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 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

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



2018



2017



2016 to 2012



2011



2009



Circle Awards Program (Cont.)

Keep us informed of your System Engr. activities!

- GLRC (Great Lakes Regional Conference) participation
- INCOSE Working Group participation
- Published papers
- Presentations given at schools, Professional Societies, etc.
- INCOSE IS / IW participation, including paper reviews
- SEP certification: Goal of 5 new xSEPs

E-mail Mike Gut, gut_mike@hotmail.com, with evidence



VOLUNTEER OPPORTUNITIES



2019 Board Of Directors

Office	Name of Leader
President	Steve Perich
Past President	Gary Houchin-Miller
Vice President	Mike Gut
Secretary	Gary Houchin-Miller
Treasurer	Russ Kubycheck
Director-at-Large	Bob Parro
Programs (Events/Tutorials) Chair	Gary Oswald

Office	Name of Leader
Membership Chair	Richard Matt
Communications Chair	Chris Freund
Academia Representative	Open position
Industry Outreach Representative	Open position
Professional Society Representative	Open position
GLRC Representative	Bob Parro
2019 GLRC Co-Chair (Ohio) / 2020 GLRC Chair (Chicago)	Open position



Chicagoland BoD Volunteer Openings

We are looking for volunteers to fill 4 key openings on the Chicagoland Chapter BoD:

- 1) 2019 GLRC Co-Chair / 2020 GLRC Chair
- 2) Industry Outreach Representative
- 3) Professional Society Representative
- 4) Academic Representative

If interested in volunteering, please contact:

Steve Perich, Chapter President, via email at:

chitownse2@yahoo.com



Volunteer for 2019 GLRC Co-Chair / 2020 GLRC Chair

Pros:

- Lead a prominent professional engineering conference
- Enormous network expansion
- Exposure to many influential people and companies
- Great experience builder
- Great leadership skills development opportunity
- Nice opportunity to give back to the profession / community

Cons:

- Time commitment

If interested, contact: Steve Perich, chitownse2@yahoo.com



AUTOSAR

The **INCOSE Michigan Chapter**, the **INCOSE Automotive WG** and **AUTOSAR** are looking for volunteers to join in the development of the future of **AUTomotive Open System ARchitecture (AUTOSAR)**.

Volunteers must be INCOSE members that are currently members of AUTOSAR.

To become a Member of AUTOSAR, go to:

<https://www.autosar.org/how-to-join/>



UPCOMING INCOSE EVENTS



Upcoming Board Meetings

Board Meetings on the first Thursday of each month

- Meetings are open to all members
- Next meeting: Thursday, **July 11**, 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: Steve Perich, Chapter President, via email:
chitownse2@yahoo.com



Upcoming Chapter Meetings

Chapter Meetings on 3rd Thursday of the month @ 6:30pm

Next Meeting: [July 18, 2019](#)

Presenter: [Russell Kubycheck](#), Manager of Reliability, Functional Safety and Product Compliance at Progress Rail, Inc.

Topic: [System Safety](#)

Meeting ideas are always welcome.

Please send suggestions for topics, speakers, meeting formats to Gary Oswald (oswaldgary33@gmail.com)



29th Annual **INCOSE**
international symposium

Orlando, FL, USA
July 20 - 25, 2019

System Applications for Global Challenges

Join us for the 29th INCOSE International Symposium
July 20-25, 2019 in Orlando, FL, USA.

This highly anticipated symposium is
the world's **premier event** for **Systems Engineers**.

*Now a
month
away!*

There will be keynote speakers, papers, panels / roundtables,
and tutorials.

For more information, go to: <https://www.incose.org/symp2019/home>



2019 Summer Social Event

Date: Saturday, August 3, 2019

Time: 12:30 to 3:30 PM

Location: Arlington International Racecourse,
2200 W. Euclid Drive, Arlington Heights, IL

Cost: \$8.00 Admission Fee (on-line, advance ticket purchase),
\$10.00 Admission Fee (at the door)

All attendees receive \$10.00 towards food and beverages.

More information will be available via a future announcement email.



2019 Fall Seminar/Tutorial

Date: Saturday, Sept. 28, 2019

Time: 8:30 AM to 4:30 PM

Location: IBM Offices, 10 N. Martingale Road,
Schaumburg, IL



Presenter: Mr. Kelly Weyrauch, Owner, Agile Quality Systems

Topic: Agile Development and Systems Engineering

Agile Quality Systems

More information will be available in early August.



2019 Great Lakes Regional Conference (GLRC)

Save the Date!

The 2019 GLRC will be held on:

Date: Oct. 21 to 25, 2019

Location: Cleveland, Ohio



We will be celebrating the [50th Anniversary](#) of the Apollo 11 moon landing.

For more information, go to:

www.incose.org/GLRC13

More details coming this summer. Stay tuned...





2019 Great Lakes Regional Conference (GLRC)

GLRC13 & EnergyTech2019 Call for Submissions: Presentations, Panels, and Tutorials

The 13th Annual International Council on System Engineering (INCOSE) Great Lakes Regional Conference (GLRC13) and the EnergyTech2019 Conference and Expo will be hosting their events in conjunction with one another. The GLRC13 and EnergyTech2019 Program Committees are pleased to issue this joint call for proposals for presentations, panels and tutorials. This year's theme is "**Giant Leaps with Systems Engineering.**"

You are invited to submit proposals for:

- **Presentations** (Individual presentations up to 40 min long including a 5 min Q&A)
- **Panel discussions** (Moderated discussion with 2 to 4 panel members, 1 hour 20 minutes long)
- **Tutorials** (hands on/didactic sessions can range from half to a full day session)

Deadline: Sunday June 23, 2019



2019 Great Lakes Regional Conference (GLRC)

The GLRC Planning Committee is looking for Technical Reviewers of the candidate presentations that will be made at the GLRC.

The review work will take place in the June - July timeframe.

If you are interested in volunteering as a Technical Reviewer, or if you have any questions about the GLRC, please contact **Kevin Devaney** at kdevaney@srcinc.com.



SITE INTRODUCTIONS



Introductions

Please introduce yourself (within each location):

- Name
 - Title & what do you do (30 seconds)
 - Company
 - How long have you been a member of INCOSE?
 - Announce job opportunities at your company, if any, or announce if you are looking for an opportunity
-
- › Sign the attendance list
 - › Verify your contact information is current



WORKING GROUP MINI- PRESENTATION



Here to give us an update on the
INCOSE System Safety Working Group is:

Mr. Russell Kubychek
Manager of
Reliability, Functional Safety and Product Compliance
at Progress Rail, Inc.
Member of the System Safety WG

Switch to slide deck from WG



FEATURE PRESENTATION



Tonight's Presentation

Speaker:

Mr. Jamie Roman

Medical Device Regulatory Consultant

Roman Engineering

Topic:

Systems Engineering and the EU Medical Device Regulation



Tonight's Presentation

Speaker Biography:

Mr. Jamie Roman, Medical Device Regulatory Consultant, Roman Engineering

Jamie Roman provides regulatory consulting for various medical device companies with experience transitioning over 30 technical files to the MDR.

Jamie has over 30 years experience in systems engineering for products with high reliability applications including aerospace, transportation, and medical device. Jamie spent many years with GE as a Master Black Belt, corporate reliability council, and in various engineering leadership positions. Jamie has led the efforts to revamp Design Controls procedures, risk management, and perform quality remediation of electromechanical devices which were under regulatory scrutiny.

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



Questions and Answers





Thanks for attending!

See you at next month's Chapter Meeting!