



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

**April 18, 2019**

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



## Agenda

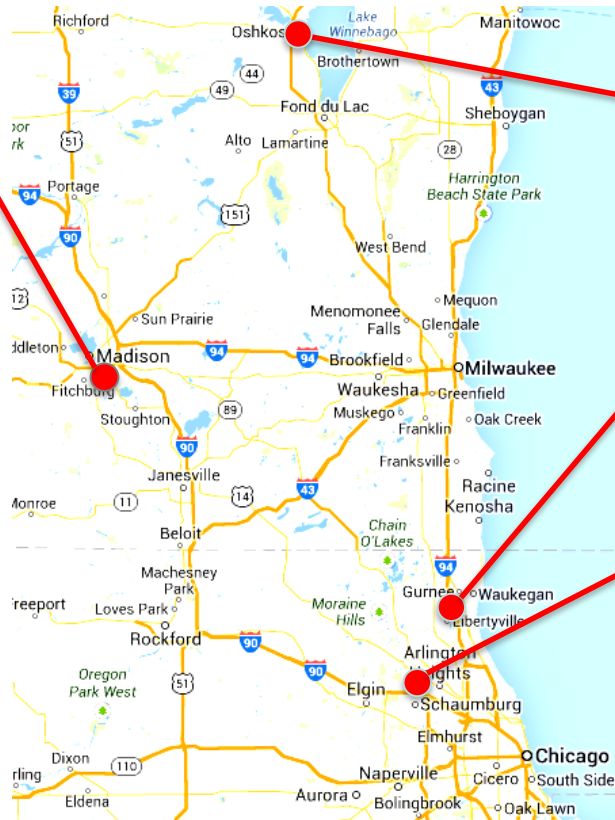
- **6:00 – 6:30 PM CT** – Networking and Dinner
- **6:30 – 6:45 PM CT** – Welcome, Announcements, Intros
- **6:45 – 7:00 PM CT** – INCOSE Healthcare Working Group Mini-Presentation
- **7:00 – 8:15 PM CT** – Feature Presentation
- **8:15 – ???** – Networking



## Welcome All Sites

bb7  
Madison, WI

And many  
others joining  
remotely from  
Chicagoland  
and beyond



Oshkosh Corp.  
Oshkosh, WI

AbbVie Inc.  
North Chicago, IL

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](mailto:chitownse2@yahoo.com)



# MEMBERSHIP



## New Members

Welcome New Members within the last month:

<b><u>Name</u></b>	<b><u>Company / Institution</u></b>
Renjal, Gurunandan	Continental Automotive Inc.



## Renewing Members

Welcome Renewing Members within the last month:

<b><u>Name</u></b>	<b><u>Company / Institution</u></b>
Bell, James	Retired
Dronzek, Rainer	The AnyLogic Company
Houchin-Miller, Gary	Johnson Controls, Inc.
Schaefer, Phil	Johnson Controls, Inc.
Torres Carino, Ismael	not listed

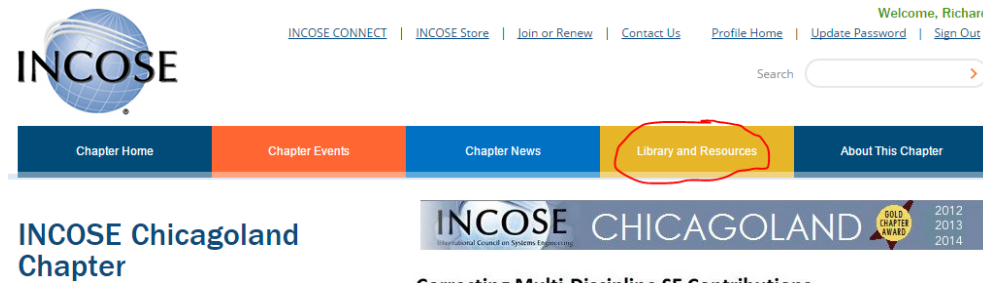




# Benefits of INCOSE Membership

## 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.)



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





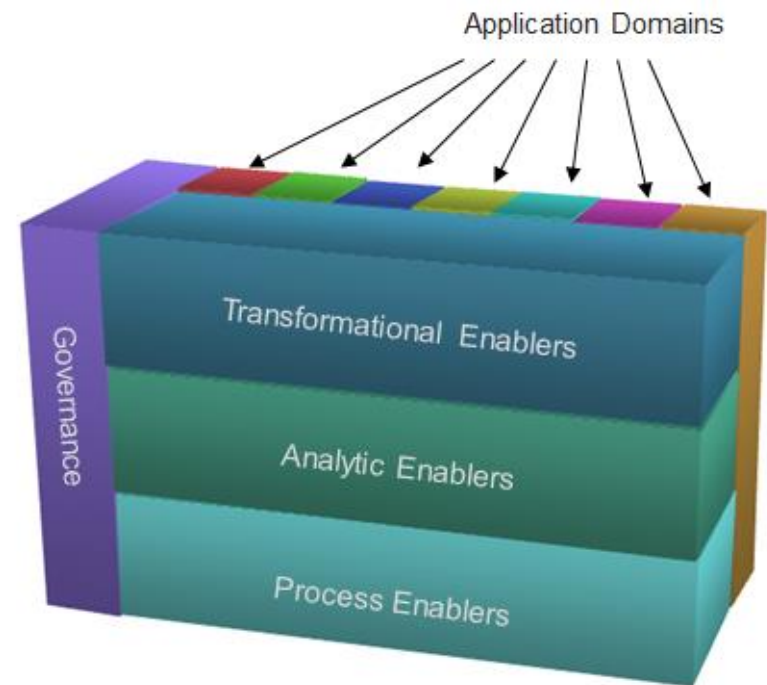
# Benefits of INCOSE Membership

## Professional Development

4. 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

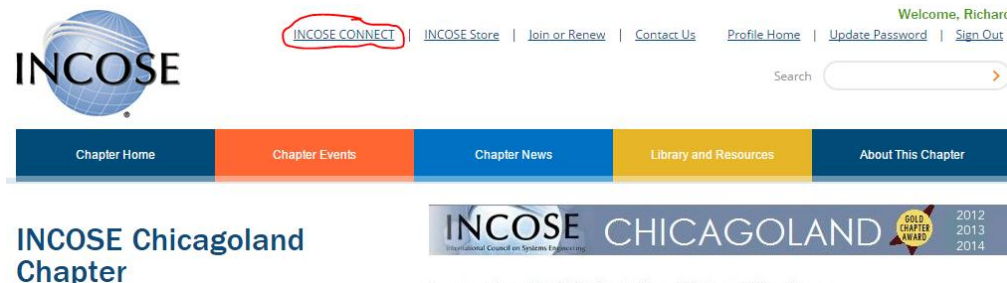




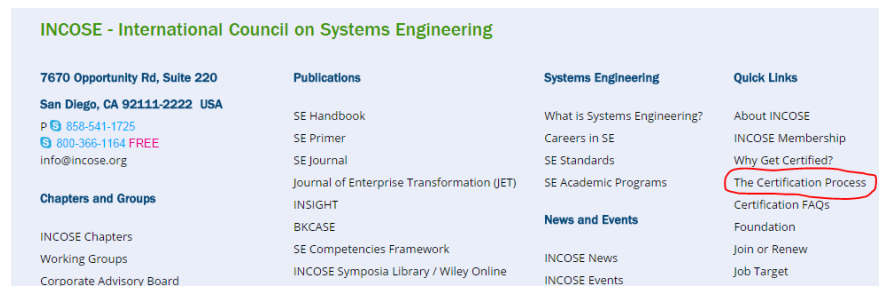
## Benefits of INCOSE Membership (Cont.)

### Professional Development (Cont.)

5. **INCOSE Connect:** content developed by chapters and working groups  
(Click on “INCOSE CONNECT” on the chapter’s home page)



6. **System Engineering Certification** (ASEP, CSEP, ESEP)  
(Click on “The Certification Process” on the chapter’s home page)





## Benefits of INCOSE Membership (Cont.)

### Professional Development (Cont.)

7. **Access to a forum** on handling System Engineering issues  
(Click on 'Reddit' on the chapter's home page)



8. Access a list of over 30 Activities Across INCOSE:





## Benefits of INCOSE Membership (Cont.)

### Professional Development (Cont.)

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



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

11. Free Resume Review Service  
<https://www.incose.org/chicagoland>



## 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 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.)

### Help Others

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



## How to Join INCOSE

1. Go to the INCOSE Website – [www.incose.org](http://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](mailto: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.**





# 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](mailto: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	Randy Iliff
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) Academic Representative
- 2) Industry Outreach Representative
- 3) Professional Society Representative (filled through Q2)
- 4) 2019 GLRC Co-Chair / 2020 GLRC Chair

If interested in volunteering, please contact:

Steve Perich, Chapter President, via email at:

[chitownse2@yahoo.com](mailto: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](mailto: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, May 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: Steve Perich, Chapter President, via email:  
[chitownse2@yahoo.com](mailto:chitownse2@yahoo.com)



## Upcoming Chapter Meetings

**Chapter Meetings on 3<sup>rd</sup> Thursday of the month @ 6:30pm**

Next Meeting: [May 16, 2019](#)

*Presenter:* [Randall Iliff, Founder / Principal, Eclectic Intellect, LLC](#)

*Topic:* [From The Beginning – Thoughts on the Past, Present and Future of Systems Engineering](#)

Meeting ideas are always welcome.

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





**5th Annual Systems  
Engineering in Healthcare  
Conference**

May 1-2, 2019  
Minneapolis, MN



**Location:** Crowne Plaza AiRE Hotel, Bloomington, Minnesota.

This conference enables participants to share the best practices in the latest Systems Engineering topics as applied to the Healthcare Industry.

For more information, go to:

<https://www.incose.org/hwg-conference-2019/home>



# 2019 Spring Seminar/Tutorial

Date: Saturday, May 11, 2019

Time: 8:30 AM to 4:30 PM

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

Presenter: Lou Wheatcraft, Senior Product Manager,  
Requirements Experts

Topic: *Defining Scope – How to identify the scope and develop the stakeholder needs for your system*

For more information, go to the Chapter home page:  
<https://www.incose.org/chicagoland>

## Step 1: Define the scope

- Brief but specific definition of result or mission
- Focuses on the project purpose throughout its life
- Agreement between customer and project manager
- To plan and control performance

→ The **key stone** of a project



**29<sup>th</sup>** Annual **INCOSE**  
international symposium

Orlando, FL, USA  
July 20 - 25, 2019

## System Applications for Global Challenges

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

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

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

Early Bird registration ends May 31, 2019.

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



# 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](http://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: 1 June 2019*



# 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 Healthcare Working Group** and the  
***5<sup>th</sup> Annual System Engineering in Healthcare Conference*** is:

Mr. Bob Malins

President/CEO

Eagle Summit Technology Associates, Inc.

Co-Chair for the HWG

**Switch to slide deck from HC WG**



# FEATURE PRESENTATION



## Tonight's Presentation

### Speaker:

Mr. Kelly Weyrauch, Owner, Agile Quality Systems

### Topic:

Agile Development and Systems Engineering

**Agile Quality Systems**



# Tonight's Presentation

## Speaker Biography:

### Mr. Kelly Weyrauch, Owner, Agile Quality Systems

Kelly is the owner of Agile Quality Systems LLC, a consultancy working with software and systems creators to apply Agile Software Development concepts and Quality Management System principles to the unique context of their development environment. He has more than 30 years of software and systems development experience. As a leader of the Agile movement at Medtronic and now as a consultant working with many organizations, he has worked with project teams to evolve Agile Principles and Practices in the context of a robust Quality System. Kelly has a BS degree in Mechanical Engineering from the University of Minnesota, and a MS degree in Software Design and Development from the University of St. Thomas (Minnesota).

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



Questions and Answers.



Thanks for attending!