



CHICAGOLAND



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

## **September 19, 2019**

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



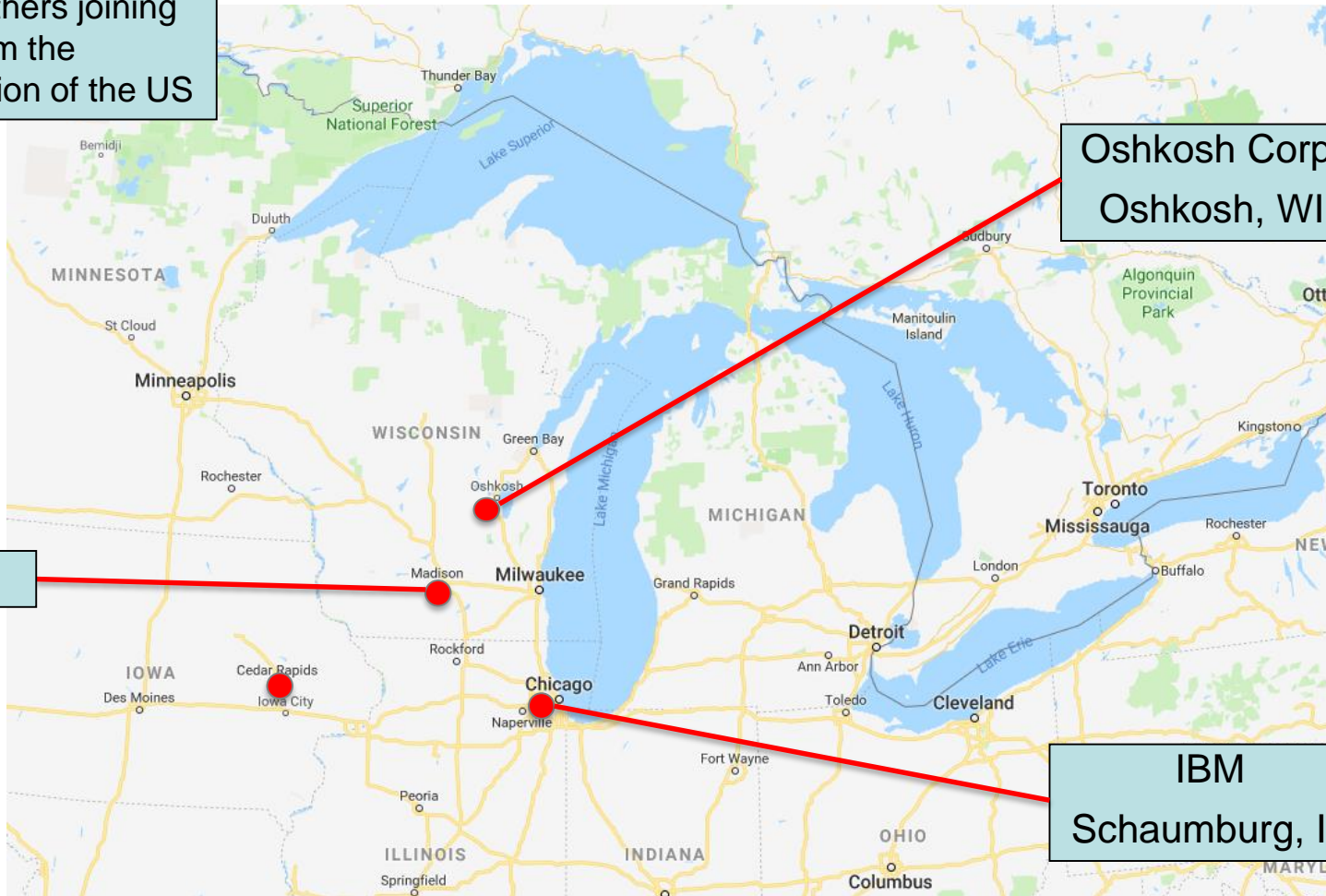
## Agenda

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



# Welcome All Sites

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



Oshkosh Corp.  
Oshkosh, WI

bb7

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)



CHICAGOLAND



# MEMBERSHIP





## New Members

Welcome New Members within the last month:

<b>Name</b>	<b>Company / Institution</b>
Beihoff, Bruce	Sysdynetics LLC
Bhatnagar, Arsh	Fluor Corporation
Buibish, Anne-Marie	Raytheon Corporation
McGovern, Laura	
Reed, Jonathan	Motorola Solutions
Usher, Jonathan	S&C Electric Company
Vemula, Dheeraj	Ansys



## Renewing Members

Welcome Renewing Members within the last month:

<b><u>Name (Last, First)</u></b>	<b><u>Company / Institution</u></b>
Dillenburg, Michael	Drawbridge Enterprises, Inc.
Fenske, Kurt	Oshkosh Defense
Geiman, Gilbert	Intrado
Hussli, Andrew	Accuray Incorporated
Illiff, Randall	Eclectic Intellect, LLC
Love, Christine	Northrop Grumman
Oswald, Gary	Shure Inc.



# 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.)



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) – **Free SE Training Webinars in Sept/Oct.**





## 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.



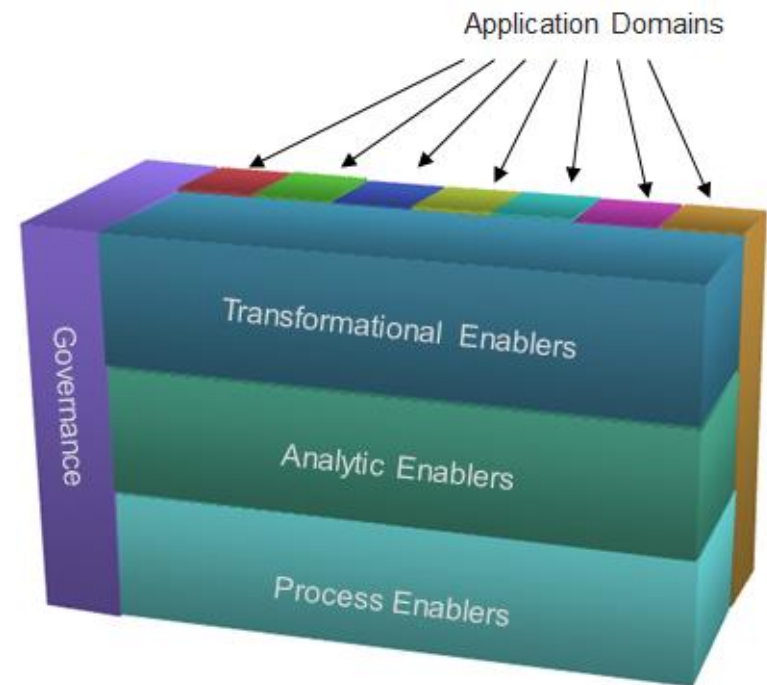
## Benefits of INCOSE Membership

### 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](#)


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[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](mailto: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](mailto: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 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 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.



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

- 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, Most Improved Chapter 2012, 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	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](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)



## 2020 Elections for Chapter Officers

In October 2019, we will be holding our Annual Election for the following 2020 Chicagoland Chapter Board of Directors positions:

- 1) President
- 2) Vice President
- 3) Secretary
- 4) Treasurer
- 5) Director At Large (2 positions)

All Chapter members will receive a voting ballot via email.

In addition, there are several appointed positions listed on previous slide. If you are interested in serving on the 2020 Chapter Board of Directors, contact: Steve Perich, [chitownse2@yahoo.com](mailto:chitownse2@yahoo.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, **Oct. 3**, 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: [October 17, 2019](#)

*Topic:* [INCOSE Working Group Double Header](#)

- [1\) Systems Security Engineering \(SSE\) WG](#)
- [2\) Systems Engineering Quality Management \(SEQM\) WG](#)

*Presenter 1:* [Dr. Beth Wilson \(SSE WG\)](#)

*Presenter 2:* [Dr. Barclay Brown, ESEP \(SEQM WG\)](#)

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




## 2019 Fall Seminar/Tutorial

Date: Saturday, September 28, 2019

Time: 8:30 AM to 4:30 PM

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



*9 days  
away!*

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

Topic: Agile Development and Systems Engineering

**Agile Quality Systems**

Register at:

<https://incose2019fallseminar.eventbrite.com>



## 2019 Great Lakes Regional Conference (GLRC)

**Time to register!**

The 2019 GLRC will be held on:

**Date:** Oct. 21 to 25, 2019

**Location:** Cleveland, Ohio



The Chicagoland Chapter is a GLRC Supporting Chapter, so if you are an INCOSE member, you can receive a \$20.00 discount on your registration. Early Bird discounted registration ends 09/30/19.

For more information, go to:

[www.incose.org/GLRC13](http://www.incose.org/GLRC13)



# 2019 GLRC SE Professional Development Day (SE-PDD)

Date: Thursday, October 24, 2019

Time: 8:30 AM to 4:30 PM (includes lunch)

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



Presenter: Live stream from 2019 GLRC in Cleveland, OH

An email will be coming out soon with more details...

Register at:

[www.incose.org/GLRC13](http://www.incose.org/GLRC13)





# SITE INTRODUCTIONS



## Introductions

Please introduce yourself (within each location):

- Name
  - Title & what do you do (30 seconds)
  - Company
  - Are you an INCOSE member, and if so, for how long?
  - 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 Architecture Working Group** is:

**Mr. Richard Martin**

President, Tinwisle Corporation in Bloomington, Indiana

Co-chair of the Architecture WG

- His company manages and provides services focused on enterprise integration to companies in the manufacturing, distribution, and services sectors.
- He participates in an active research program to formalize Enterprise Architecture Frameworks.
- He is active in ISO TC184 and other INCOSE WGs.
- He serves in several INCOSE national roles.



# FEATURE PRESENTATION





## Tonight's Presentation

### Speaker:

Dr. Mark L. McKelvin, Ph. D

*Lecturer at University of Southern California*

*President of INCOSE Los Angeles Chapter*

### Topic:

Systems Architecting

[Notes - Start recording, Introduce Speaker]



# Tonight's Presentation

## Speaker Biography:

Mark L. McKelvin, Ph. D

*Lecturer at USC; President of INCOSE Los Angeles Chapter*

Dr. Mark McKelvin, Jr. is a Sr. Engineering Specialist in the Applied Software Technologies Dept. in the IS and Cyber Division of The Aerospace Corp., where he specializes in systems and software engineering and the application of model-based engineering techniques to develop solutions for cyber-physical, embedded, and software-intensive systems. Mark was worked for a variety of companies including: JPL, General Motors R&D, Intel Corporation, HRL, Sandia National Lab, Army Research Lab, Army High Performance Research Center. He has worked as a software systems engineer, an electrical systems engineer, and a lead fault protection engineer on major flight systems.

- Mark is also a Lecturer in the System Architecting and Engineering graduate program at USC, where he teaches courses in MBSE and SE Theory and Practice.
- Mark holds a Ph.D in Electrical Engineering and Computer Sciences from UC Berkeley, and a BS degree in Electrical Engineering from Clark Atlanta University.
- Mark is the President of the INCOSE Los Angeles Chapter.

[Notes - Start recording, Introduce Speaker]



## Questions and Answers





Thanks for attending!

See you at next month's Chapter Meeting!



For those attending in  
Schaumburg, IL the  
post-meeting  
networking  
gathering will be at:

**Granite City Food &  
Brewery**

**801 Plaza Dr,  
Schaumburg, IL 60173**

