



CHICAGOLAND



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

October 17, 2019

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



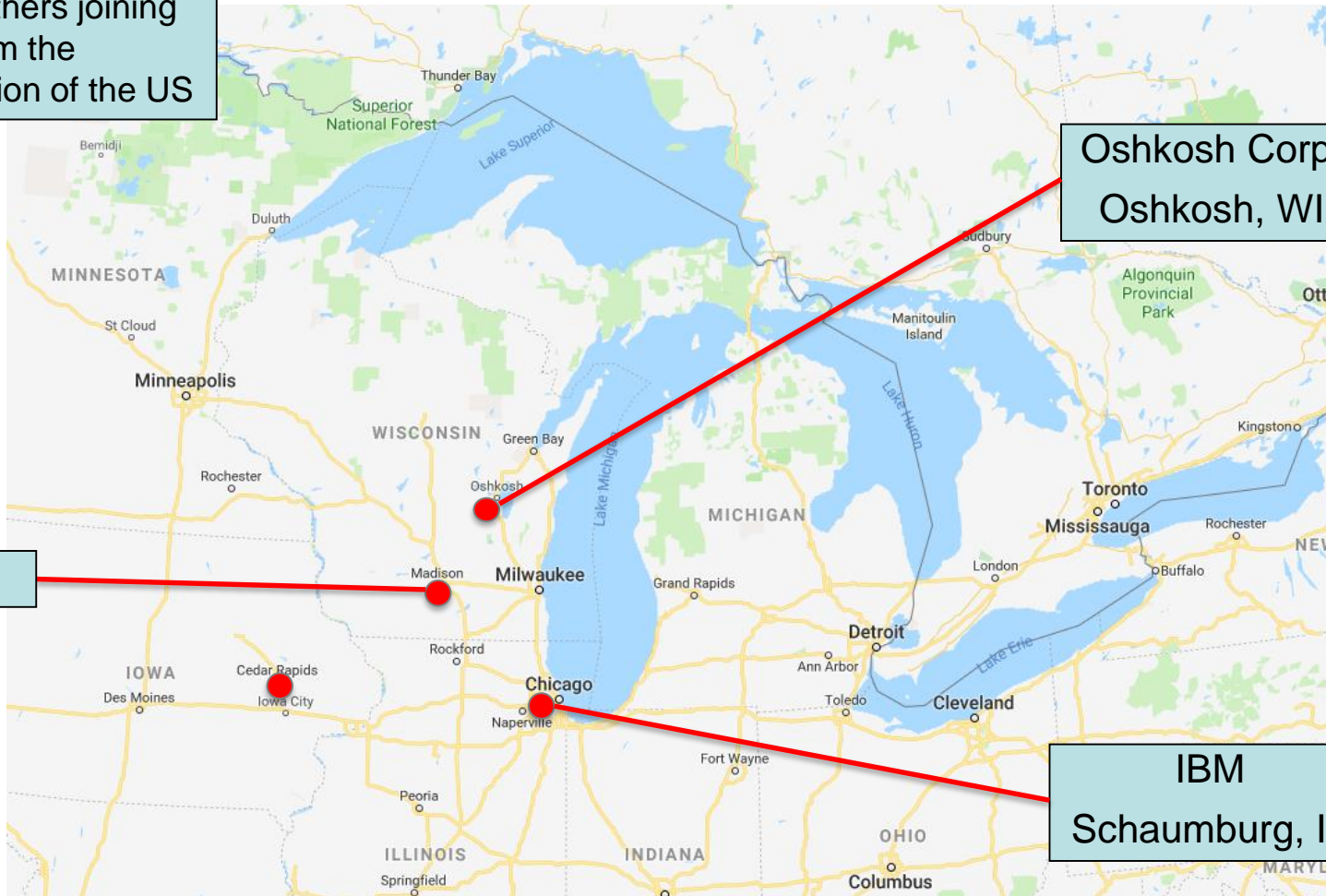
## Agenda

- **6:00 – 6:30 PM CT** – Networking and Dinner
- **6:30 – 6:45 PM CT** – Welcome, Announcements, Intros
- **6:45 – 7:30 PM CT** – Presentation by INCOSE  
Systems Security Engineering  
Working Group
- **7:30 – 8:15 PM CT** – Presentation by INCOSE  
System Engineering and Quality  
Management Working Group
- **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>
Albers, James	Fastpilot, Inc.
Cador, Frandy	Accuray Incorporated
Grigoleit, Christian	Pierce Mfg.
Hale, Ron	Cummins, Inc.





## Renewing Members

Welcome Renewing Members within the last month:


<b><u>Name (Last, First)</u></b>	<b><u>Company / Institution</u></b>
Cotter, Tom	Northrop Grumman
Johnson, Mark	Johnson Controls, Inc.
Korzonas, Al	Abbott Laboratories
Planas, Samantha	Fresenius Kabi
Steinberger, David	Oshkosh Corporation



# 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) – **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.



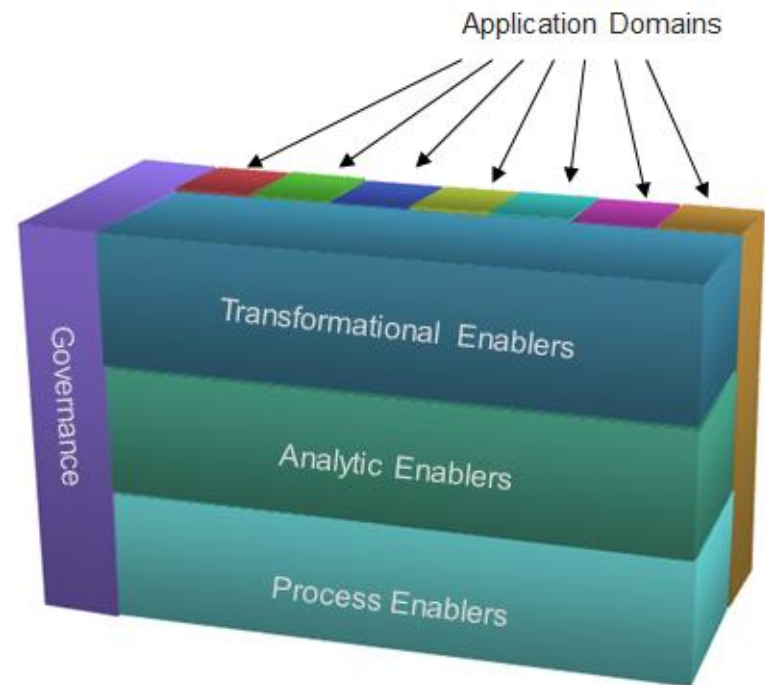
# Benefits of INCOSE Membership

## 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](#)
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[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 are 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 should have received 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)



CHICAGOLAND



# UPCOMING INCOSE EVENTS



## Upcoming Board Meetings

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

- Meetings are open to all members
- Next meeting: Thursday, **Nov. 7**, 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: [November 21, 2019](#)

*Presenter:* [Troy A. Peterson, Vice President & Fellow, SSI](#)

*Topic:* [Systems Engineering: Cracking the Code of Digital Transformation](#)

Extra: We will also have a mini-presentation from the INCOSE Small and Medium Entity Working Group (WG).

*Speaker:* [Angela D. Robinson, Co-Chair](#)

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



## 2019 Great Lakes Regional Conference (GLRC)

**Last call for registrations!**

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.

For more information, go to:

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

*Next  
week!*





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

Date: Thursday, October 24, 2019

Time: 7 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 has been distributed to members with all the details.  
Attendees receive 8 PDUs.

Register at:

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





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

**PROGRAM**  
(Eastern Time)

**8:00 - 8:15am**  
OVERVIEW  
Michael Vinarcik, Emcee

**8:15 - 9:00am**  
KEYNOTE ADDRESS  
Answering the Call for  
Technical Leaders  
(Michael Pennotti)

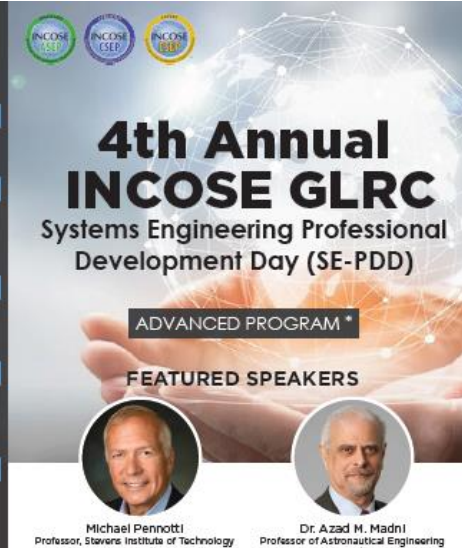
**9:00 - 10:00am**  
PANEL DISCUSSION  
Collaborating for Agile  
Project Success

**10:30 - 12:00pm**  
SESSION 1  
Back to Basics  
Apollo and the 1960's

**1:00 - 2:30pm**  
SESSION 2  
Growing Systems  
Engineers through  
Gamification  
Top Ten Ways Engineers  
Undermine Their  
Success

**3:00 - 4:30pm**  
SESSION 3  
MBSE Complete Eco-  
System Explained  
Systems Honor Society  
Sigma Theta Mu Lecture

**4:30 - 5:00pm**  
CLOSING PLENARY  
Michael Vinarcik, Emcee



**4th Annual  
INCOSE GLRC**  
Systems Engineering Professional  
Development Day (SE-PDD)

ADVANCED PROGRAM \*

FEATURED SPEAKERS

**Michael Pennotti**  
Professor, Stevens Institute of Technology  
INCOSE Fellow

**Dr. Azad M. Madni**  
Professor of Astronautical Engineering  
University of Southern California

**THURSDAY OCTOBER 24, 2019**  
*LiveStreamed from the Cleveland I-X Center*

**INCOSE**

Check for an SE-PDD Site near you!

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

\*This program contains the best information available at time of printing and is subject to change. Please visit [www.incose.org/GLRC13](http://www.incose.org/GLRC13) to check for changes and site registration.



# **IBM Requirements Seminar (1/2)**

## ***Requirements Management with AI - IBM Watson***

Date: **Tuesday, November 12, 2019**

Time: **9 AM to 4 PM (includes lunch)**

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

Topic: **Requirements Management (RM) with AI**

There will be several presenters. There is no charge to attend this event.

An email has been distributed to members with all the details.

Register at:

[www.ibm.com/events/2019/EngineeringAcademyComestoYou/Schaumburg](http://www.ibm.com/events/2019/EngineeringAcademyComestoYou/Schaumburg)



# IBM Requirements Seminar (2/2)

## *Requirements Management with AI - IBM Watson*

### Agenda

Time	Description
9:00 AM	INCOSE Systems Engineering Organization on Requirements Management/Artificial Intelligence - Russell Kubycheck of INCOSE
9:30 AM	IBM Requirements Tools - Implementations and Benefits in Practice - Bob Parro II of River North Solutions
10:30 AM	Requirements Management - Ed Gafron of IBM
11:15 PM	Requirements Quality Assistant and Artificial Intelligence - Erin O'Connor of IBM
12:00 PM	Lunch provided by IBM
1:00 PM	Effective Requirements Reuse Using Global Configuration Management - Robert Parro III of River North Solutions
2:00 PM	Open Lab and Discussion
4:00 PM	Wrap up



# 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 PRESENTATION #1

## Systems Security Engineering Working Group



# Working Group Presentation #1

## Speaker:

Dr. Beth Wilson, Ph. D

*Adjunct Professor at Worcester Polytechnic Institute  
(WPI)*

*Co-Chair of the INCOSE Systems Security  
Engineering WG*

## Topic:

Systems Security Engineering Working Group –  
Is There a Place for Me?

[Notes - Start recording, Introduce Speaker]



## Working Group Presentation #1

### Speaker Biography:

**Dr. Beth Wilson** earned her PhD in Electrical Engineering from the University of Rhode Island. She is retired from Raytheon where she worked for 33 years as a design engineer, program manager, research scientist, functional manager, and test director on sonar, satellite, and radar programs. She was a Raytheon Certified Architect and a Raytheon Certified Six Sigma Expert.

Dr. Wilson is currently an Adjunct Professor at Worcester Polytechnic Institute (WPI) in their Masters of Systems Engineering program. She is an INCOSE Expert Systems Engineering Professional (ESEP) and is a co-chair for the INCOSE Systems Security Engineering Working Group.



# WORKING GROUP PRESENTATION #2

System Engineering and  
Quality Management  
Working Group





## Working Group Presentation #2

### Speaker:

Dr. Barclay R. Brown, Ph. D

*Engineering Fellow, Raytheon Company*

*Chair of the SEQM WG*

### Topic:

Transforming the Engineering Organization with  
Systems Engineering and Quality Management



## Working Group Presentation #2

### Speaker Biography:

[Dr. Barclay R. Brown](#) is an Engineering Fellow for Raytheon Company and the business unit lead for model based systems engineering. Before joining Raytheon, he was the Global Solution Executive for the Aerospace and Defense Industry at IBM, and was the lead systems engineer for some of IBM's largest development projects.

Dr. Brown has been a practitioner, consultant and speaker on systems engineering and software development methods for over 25 years and holds a bachelor's degree in Electrical Engineering, master's degrees in Psychology and Business and a PhD in Industrial and Systems Engineering. He teaches systems engineering and systems thinking at several universities. He is an INCOSE Expert Systems Engineering Professional (ESEP), a certified Systems Engineering Quality Manager, and the former INCOSE Director for the Americas.



## 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**

