



CHICAGOLAND



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

**May 16, 2019**

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



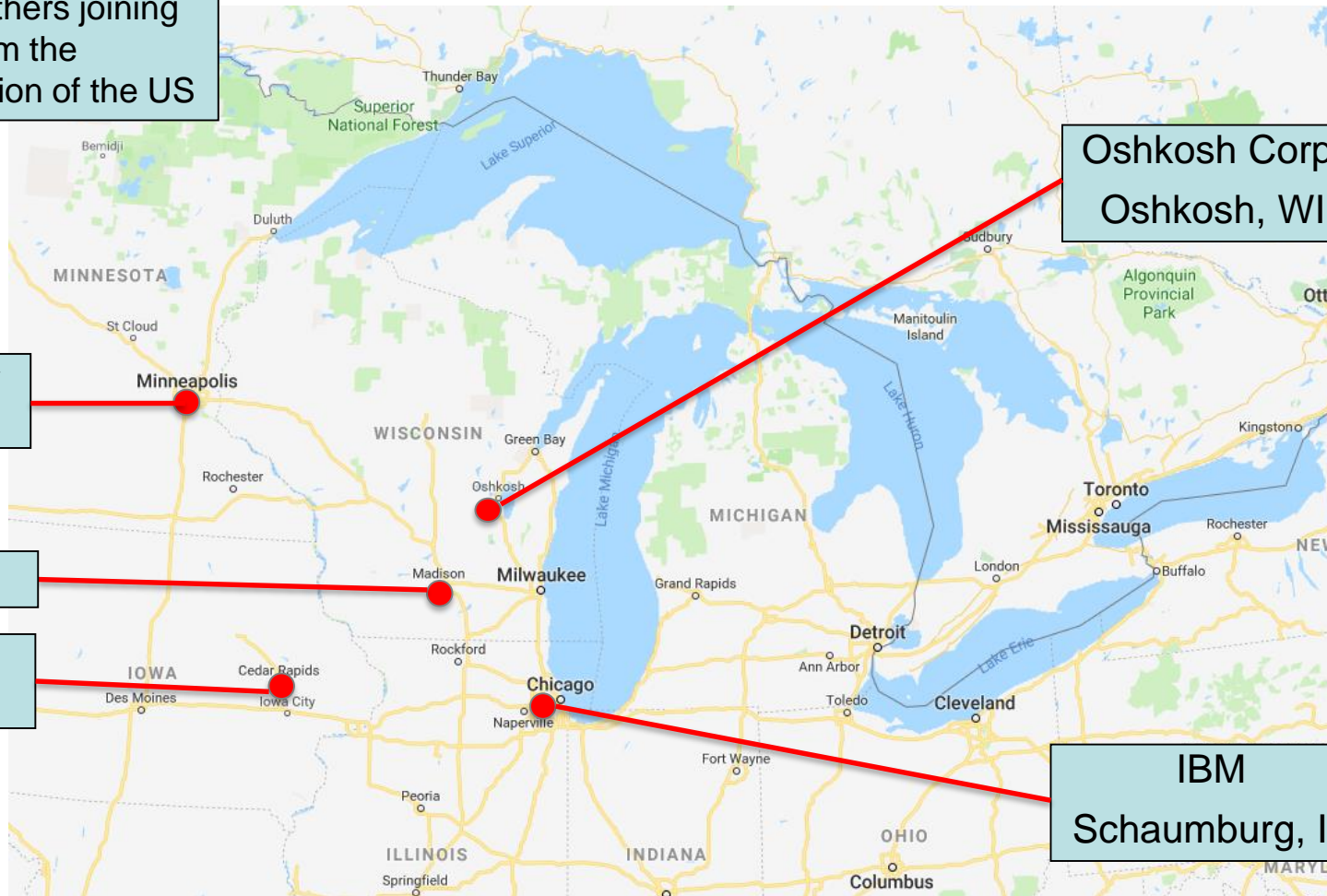
## Agenda

- **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 Infrastructure Working Group Mini-Presentation
- **7:00 – 8:15 PM CT** – Feature Presentation
- **8:15 – 8:20 PM CT** – Special Announcement
- **8:20 – ???** – Networking



# Welcome All Sites

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





## 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><u>Name</u></b>	<b><u>Company / Institution</u></b>
Barr, Stuart	?
Martinez, Vanessa	Northrop Grumman Corp.
Swenson, Nils	CDW





## Renewing Members (1 of 2)

Welcome Renewing Members within the last month:

<b><u>Name</u></b>	<b><u>Company / Institution</u></b>
Atwood, James	Northrop Grumman Corp.
Cantley, Steve	bb7
Chan, Eric	Chamberlain Group (CGI)
Huemann, Thomas	AbbVie, Inc.
Kiraly, Bela	Natus Medical
Levi, Andrew	bb7
Narnur, Malathi	CNH Industrial



## Renewing Members (2 of 2)

Welcome Renewing Members within the last month:

<b>Name</b>	<b>Company / Institution</b>
Paya, Naweed	?
Perich, Stephen	AbbVie, Inc.
Popovic, Daniela	Scientific Games
Streed, Jim	Motorola Solutions
Vitallo, John	S&C Electric
Walk, Jeffrey	?






# 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

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[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)



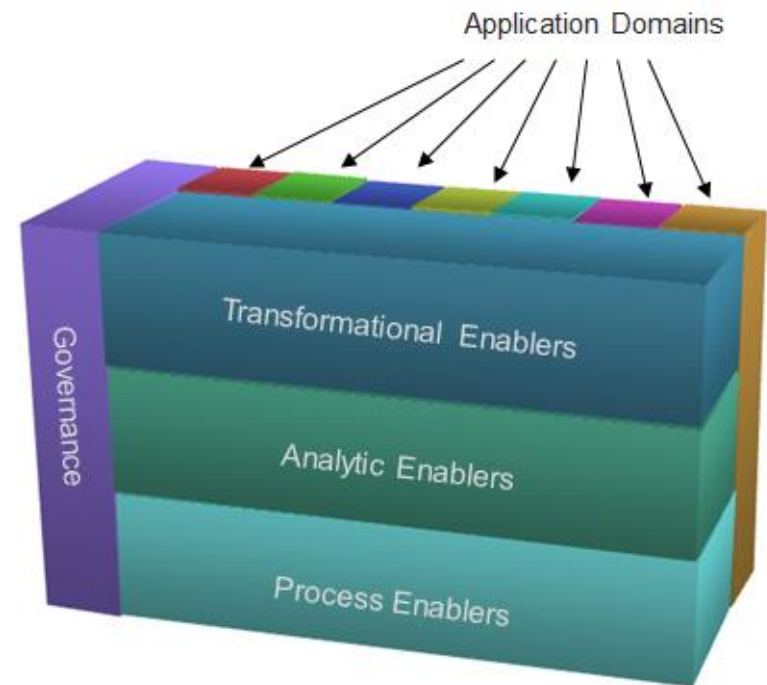
# Benefits of INCOSE Membership

## 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 “SEP Certification” on the Chapter’s home page)





# Benefits of INCOSE Membership (Cont.)

## Professional Development (Cont.)

7. Access a list of over 30 events across INCOSE:

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

[Chicagoland](#)
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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.)

8. 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)



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

10. 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 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](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 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
Russ Kubychek	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](mailto:gut_mike@hotmail.com), with evidence



# VOLUNTEER OPPORTUNITIES



## 2019 Board Of Directors

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

Office <sup>α</sup>	Name of Leader <sup>α</sup>
Membership Chair <sup>α</sup>	Richard Matt <sup>α</sup>
Communications Chair <sup>α</sup>	Chris Freund <sup>α</sup>
Academia Representative <sup>α</sup>	<b>Open position<sup>α</sup></b>
Industry Outreach Representative <sup>α</sup>	<b>Open position<sup>α</sup></b>
Professional Society Representative <sup>α</sup>	Randy Ijiff <sup>α</sup>
GLRC Representative <sup>α</sup>	Bob Parro <sup>α</sup>
2019 GLRC Co-Chair (Ohio) / ¶ 2020 GLRC Chair (Chicago) <sup>α</sup>	<b>Open position<sup>α</sup></b>



## 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 (filled through Q2)
- 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)



## 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, June 6, 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: [June 20, 2019](#)

*Presenter:* [Jamie Roman, Medical Device Regulatory Consultant, Roman Engineering](#)

*Topic:* [Systems Engineering and the EU Medical Device Regulation](#)

Meeting ideas are always welcome.

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



**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 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](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*



## 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](mailto: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 Infrastructure Working Group** is:

Mr. Jon W. Mooney

Consultant

Acoustics by JW Mooney, LLC

Member of the IWG

**Switch to slide deck from WG**



# FEATURE PRESENTATION



## Tonight's Presentation

### Speaker:

Mr. Randall Iliff

Founder / Principal, Eclectic Intellect, LLC

### Topic:

From The Beginning – Thoughts on the Past, Present and Future of Systems Engineering



## Tonight's Presentation

### Speaker Biography:

Mr. Randall Iliff

Founder / Principal, Eclectic Intellect, LLC

Randy has over 35 years' experience on developmental efforts ranging in size from a few thousand, to billions of dollars. Both a seasoned Program Manager and expert Systems Engineer, he has a solid record of disruptive innovation in aerospace, medical, commercial and consumer markets.

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



## Questions and Answers







# SPECIAL AWARD CEREMONY



## Leadership Award

The Board of Directors of the Chicagoland Chapter wishes to present the Chapter's ***Outstanding Leadership Award*** to:

**Mr. Randall Iliff**

For many years of outstanding contributions to the INCOSE Chicagoland Chapter, including: being a Founding Chapter Member, presenting multiple Seminars/presentations at various events, and providing special wisdom and guidance to the Chapter Board and Chapter membership.



## Leadership Award

**Randy has presented several (qty. 3) Seminars before the Chicagoland Chapter membership throughout the years:**

05/10/2014 *Spring Seminar* - **Project Planning for Engineers**

09/23/2017 *Fall Seminar* - **Three Secrets of Product Development**

09/15/2018 *Fall Seminar* - **An Insider's Guide to Achieving SE and PM Integration Excellence**



## Leadership Award

**Randy has made several (qty. 8) Chapter Meeting presentations before the Chicagoland Chapter membership throughout the years:**

07/19/2012 - **Aligning Cultures**

07/18/2013 - **The Innovation Engine that Drives SE**

07/17/2014 - **Propose, Plan and Innovate - How to Unlock The Full Value of Your Engineering Skill Set**

01/15/2015 - **Unlimited Potential - Essential Role of Mind in Design**

07/16/2015 - **Best of Both Worlds – What INCOSE and PMI are Doing to Promote PM / SE Integration**

07/21/2016 - **The Development Difference (Essential Insight for Understanding and Mastering Innovation Effort)**

07/20/2017 - **Unlimited Potential: Leveraging the Power of Mind in Design**

05/16/2019 - **From The Beginning – Thoughts on the Past, Present and Future of Systems Engineering**



## Leadership Award

Randy was also a Keynote Speaker at the 2012 and 2014 GLRCs that were hosted by the Chicagoland Chapter.

Randy has been the Chapter's external Systems Engineering evangelist, speaking about Systems Engineering at schools (from elementary to university), corporations, and at many other organizations.

Randy has been a tremendous asset and contributor to the Chicagoland Chapter for many years. The entire Board of Directors of the Chicagoland Chapter wishes to thank Randy for all the time, effort and energy he has provided to the Chapter. We will certainly miss him and his contributions at our Chapter events. We wish Randy all the best in his future endeavors.

Please join me in congratulating Randy for this well-deserved award.



Thanks for attending!

See you at next month's Chapter Meeting!