



## The NorthCoast Interfacer



**2008**



**2009 – 2013, 2015-2016**



**2014**

### President's Corner



Happy New Year! I hope all of you had a great 2018, both personally and professionally. And my wish for you is a prosperous and productive 2019.

In the last newsletter, I discussed two words – *outreach* and *engagement*. The outreach that Joe Stevens had started and the engagement that I and the Board of Directors are hoping to establish with chapter members. This month, I would like to talk about *value*.

Over the past few months there has been an ongoing dialogue among the chapter leaders in the INCOSE Americas Sector regarding the value of an INCOSE membership. It was all about how we promote INCOSE to new members and retain current members.

One theme was a feeling that we do not do a good job of making members aware of the benefits. That will be something I plan to do more of as I interact with you and potential members. This newsletter contains a number of articles that discuss INCOSE benefits: INCOSE international conferences and workshops, where you can learn from and interact with fellow systems engineers from across the world; regional conferences like GLRC and EnergyTech; webinars on systems engineering topics; INCOSE publications; and Chapter meetings.

Another theme was the need to utilize available technology more in order to bring content to members who may not be able to attend a central Chapter meeting or share content between Chapters. Doing so requires access to audio and video systems that can reliably capture and

transmit a speaker and presentation. Right now the chapter does not have access to those, but the Board and I will continue to try to figure out how we can.

While remote broadcasts are something that would benefit groups of members, it was also pointed out that personal, face-to-face interaction is critical to maintaining the feeling of belonging to the Chapter. Which leads back to the engagement aspect. I would encourage all of you to attend chapter events and get to know other chapter members, as together we can make a stronger chapter.

So what value do you want to get out of your INCOSE membership? I was just thinking about advertisements I heard a few months ago for 2019 season tickets for the Cedar Point Amusement Park. They implied by purchasing then, you would get the best value. But what if you bought season tickets and never went? Would that be such a great value? So I encourage you to get involved and get the full value out of your INCOSE membership. If there is something else the Chapter can be doing to help you get that full value, feel free to reach out to me or other Board members.

Dennis Rohn

C-NO President

## Bylaws and Elections Update

It has been mentioned that the Board of Directors (BoD) had begun looking at updates to the Chapter Bylaws. We have identified several areas to look at, but the biggest change we are considering is if the Vice President is also a President-elect, or if those two roles are separated. Associated with that, we are looking at how long terms of office should be. We would welcome any input you might have on this topic, or other aspects of the Bylaws. We hope to bring a proposal to the Chapter membership this spring, at which time it will be up to the members to decide to adopt the changes or not. Immediately following that, we will initiate an election process, to sync back up with the Bylaws. If you have considered being a Chapter leader, either for the first time, or again, I would encourage you to talk with one of the existing officers to find out more about the benefits gained by being a Chapter leader.

## BoD Email

In order to enable easier communication between Chapter Members and the Board of Directors (BoD), the BoD has established an email address that can be monitored by all board members – [NorthOhioINCOSE@gmail.com](mailto:NorthOhioINCOSE@gmail.com). While you can still contact BoD members individually, you can also use this new address to reach any of us.

## Chapter Meetings

The Chapter Board of Directors (BoD) wanted to restart chapter events in a casual, relaxed, way. In December, we held the first of our Chapter socials, at the Burntwood Tavern in Solon. While there was only a small turnout, we had a good time socializing and enjoying good food. Watch for an announcement of our next one, on the west-side of Cleveland. I hope you will join us, if you can. These two locations were picked after looking at where we have larger concentrations of chapter members. If you were/are not able to make either of these, and you'd like us to hold one somewhere near you, let us, your Board of Directors know, as we would welcome the opportunity to get to know you and others in your area.

We are planning to hold a more formal Chapter meeting in February, on the 19th. The plan is to provide a Chapter update, and have a discussion surrounding the INCOSE SE Competency Framework and what makes an effective systems engineer. Please watch for more information on this, if not already received. Ideas for future chapter meetings would be welcome and if you would be interested in helping to coordinate a meeting, let a BoD member know.

## GLRC

As was mentioned in the last issue's President's Corner, the 12<sup>th</sup> Annual Great Lakes Regional Conference (GLRC) was held in October, in Indianapolis, Indiana, and the Friday session was broadcast out to remote sites, including one at the NASA Glenn Research Center, as a Professional Development Day. The INCOSE Great Lakes region leadership has decided that they would like to hold the 2019 GLRC in Cleveland, in conjunction with the EnergyTech Conference, which is also sponsored by INCOSE. It will take place the week of October 21, 2019, so mark your calendar now. More details will be provided as decisions get made. An initial website has been established: <https://www.incose.org/glrc13>.

As your Chapter President, I am looking for Chapter members who would be interested in helping plan the 2019 Conference, as part of a regional team made up of individuals from other Chapters in the region. This is a great opportunity to get to know systems engineers from other areas and help make the conference successful. There are many things to do and we would love to see active participation from many Chapter members. As the saying goes, many hands make light work. Joel Knapp, from our Chapter, has taken on the role of local Host Chair. If you are interested in helping, or need more information, let me know. Contact me using the new BoD email: [NorthOhioINCOSE@gmail.com](mailto:NorthOhioINCOSE@gmail.com).

## Upcoming FREE INCOSE SE Training Webinars

In the October INCOSE eNote (Vol 15 Issue 10), the INCOSE Training Working Group (TWG) announced a series of free SE training webinars for all INCOSE members, employees of INCOSE Corporate Advisory Board members, and employees and students of INCOSE Academic Council members. This announcement was about a series of five webinars by Dick Fairley based on ISO/IEC/IEEE Standard 15288:2015 (Technical Processes). They have all been conducted, but they were recorded and are available for viewing.

To access the slides, and recorded files, log-in to INCOSE Connect using your username and password, click here:

<https://connect.incose.org/Library/Tutorials/training/SitePages/Home.aspx>, scroll down to Systems Engineering Technical Processes, click on the Tutorial Session you want, and download the files.

The tutorials in this series were:

- Requirements Engineering (2 parts)
- System architecture
- System design
- System implementation

Other past TWG tutorial sessions located there include: SE Fundamentals (Tutorial ID: 02\_October 2014), SE Handbook v3.2.2 (Tutorial ID: 02\_October 2014), SE Handbook v4.0 (Tutorial ID: 01\_October 2015), and Leadership Skills (Tutorial ID: 01 thru 04). All sessions are recorded for later download.

## Project Performance International Training

Project Performance International (PPI) is a strong supporter of INCOSE and they are best known for the systems engineering training that they provide. I had an employee take one of their classes recently and they thought it was well done and she learned a lot. During the EnergyTech Conference, I spoke with Robert Halligan, who does a lot of the training. He is willing to provide Chapter members a 10% discount off the course fee for upcoming public training sessions. There are two training sessions coming up in Detroit that may be of interest.

Their 5-Day Systems Engineering course will be delivered in Detroit, Michigan on the 18-22 March 2019. This training provides an integrated approach to the set of management and technical disciplines that combine to meet requirements, maximize overall system effectiveness, enhance project success and reduce risk. A constant theme of this course is how to maximize value delivered to stakeholders, via valued outcomes such as time to market, cost of goods sold, product capabilities and other qualities, strategic objectives, whatever the stakeholders value on a life-cycle basis. Further information may be found at <https://www.ppi-int.com/training/se5d/>.

Engineering Successful Infrastructure Systems is a new course that will debut in Detroit on the 25-29 March, 2019. This course is a five-day immersion in the successful engineering of infrastructure that delivers maximum value to stakeholders. The course is based on systems thinking, here applied to projects and engineering. And so, the course has a strong systems

engineering foundation. Systems engineering as a discipline has been proven to substantially reduce costs, reduce project durations and increase client satisfaction. Further information may be found at: <https://www.ppi-int.com/training/esis5d/>.

When registering for these, or other PPI classes, identify yourself as a chapter member in order to obtain the discount.

## Upcoming INCOSE Related Events

The list below provides a sampling of upcoming webinars and events that may be of interest to INCOSE members.

- February 7-10, 2019 – 2nd International Conference of Intelligent Human Systems Integration (IHSI 2019) (San Diego, CA)
  - <http://www.ihsint.org/>
- February 12, 2019 – Aerospace Corp. 2019 Systems Engineering Forum (El Segundo, CA)
  - <https://aerospace.org/events/systems-engineering-forum>
- April 3-4, 2019 – Conference on System Engineering Research (CSER) 2019 (Washington, DC)
  - <https://cser.info/>
- April 8-11, 2019 – 13th Annual IEEE International Systems Conference (SysCon 2019) (Orlando, FL)
  - <http://www.ieeesyscon.org/>
- May 01-03, 2019 – 5th Annual Systems Engineering in Healthcare Conference (Minneapolis, MN)
  - <https://www.incose.org/hwg-conference-2019/home>
- May 19-22, 2019 – 14th Annual International Conference on System of Systems Engineering (SoSE) (Anchorage, AK)
  - <http://sosengineering.org/2019/>
- July 20-25, 2019 – INCOSE IS 2019 (Orlando, FL)
  - <http://www.incose.org/symp2019>
- **October 21-25, 2019 – INCOSE Great Lakes Regional Conference 2019 (Cleveland, OH)**
  - <https://www.incose.org/glrc13>
- **October 21-25, 2019 – EnergyTech 2019 (Cleveland, OH)**
  - <https://www.energytech.org/>

- October 21-24, 2019 – 22nd Annual Systems and Mission Engineering Conference (Tampa, FL)
  - <http://www.ndia.org/events/2019/10/21/22nd-annual-systems-and-mission-engineering-conference>
- January 25-29, 2020 – INCOSE IW 2020 (Torrance, CA)
  - TBD

Office of the Deputy Assistant Secretary of Defense. System Engineering. System of Systems Engineering Collaborators Information Exchange webinars, available at:

<https://www.acq.osd.mil/se/outreach/sosecollab.html>.

- February 5, 2019, Development of New Standards for Systems of Systems Engineering, Dr. Mike Yokell, Lockheed Martin Fellow and Deputy Director, Systems Engineering
- February 19, 2019, Systems of Systems Engineering Managerial and Operational Affinity, Dr. Mike Yokell, Lockheed Martin Fellow and Deputy Director, Systems Engineering
- March 12, 2019, Mission Engineering Competency Model, Dr. Nicole A. Hutchison, Stevens Institute of Technology
- March 26, 2019, Practical Modeling Concepts for Engineering Emergence in Systems of Systems, Dr. Judith Dahmann, The MITRE Corporation; Ms. Philomena Zimmerman, OUSD(R&E)
- April 16, 2019, Mission Analysis and Operational Architectures, Mr. Zane Scott, Vitech Corporation
- April 30, 2019, Digital Engineering Transformation, Mr. Thomas McDermott, Georgie Tech Research Institute, SERC
- May 14, 2019, Toward Scaling Model-based Engineering for Systems of Systems, Dr. Ryan B. Jacobs, The MITRE Corporation

*Dennis Rohn*

## Like us on Facebook

If you are on Facebook, search for Cleveland-Northern Ohio INCOSE Chapter and “like” us.



### **2018 Chapter Officers:**

**President:**

Dennis Rohn

**Vice-President:**

**Secretary:**

Tim Schuler

**Treasurer:**

Marian Cronin