



## The NorthCoast Interfacer



2008, 2017



2009-2013, 2015-2016, 2018



2014

## President's Corner



August is a time of transition. Not only is summer almost over and students will soon start going back to school, but it is also a time for transition in Chapter leadership. It is hard to believe that a year ago you elected me as an interim Chapter President. Little did I know that a few months would turn in to a year. Elsewhere in this newsletter you will find an announcement regarding the results of the elections that were just held. So for now, this will be my last Presidents Corner, but I plan to continue supporting the Chapter however I can.

Through these articles, I have tried to provide encouragement and gentle nudges. I focused on *outreach*, *engagement*, and *value* - the outreach of the Board of Directors and each of you to students and others, the engagement that I and the Board of Directors are hoping to establish with chapter members, and the value of an INCOSE membership and Chapter involvement.

Last month I had the opportunity to attend the INCOSE International Symposium, in Orlando, FL. A summary is provided as a separate article in this newsletter. One hot topic at the Symposium seemed to be professional development; from talks and panels about professional development and the system engineering competency framework, to a new Professional Development Portal that is in work, and to the INCOSE Technical Leadership Institute. All of this got me thinking about the word **professional**.

Looking the word up in the dictionary shows that it can be used in a number of different ways: a person engaged in a profession, a type of activity (e.g. professional sports), and how a person behaves. So, I would like to ask, are you engaged in a profession or do you just have a job? To

me the words “profession” and “job” evoke two totally different pictures. A job seems like a 9-to-5 kind of thing where you do what is required during work hours, collect your paycheck, but do little else. But you would never be considered as being part of a “job.” On the other hand, you could be considered to be part of a systems engineering “profession.” A profession sounds much more like a role that someone has that transcend their daily job. They are a member of a community, where they continue to grow/learn, help others grow/learn, and help to improve the community.

I consider myself as part of the systems engineering profession and take it seriously, trying to do what I can to learn, help others, and help the community. I hope you do to. Be a part of the community.

One way to be part of that community is to participate in Chapter events. We have not finalized the details yet, but are hoping to have a Chapter meeting, including a technical presentation, in August, and are planning a group tour of the Age of Steam Roundhouse in September. Stay tuned for details.

As always, I look forward to interacting with you at future Chapter events, and invite your feedback on what we can do to improve the Chapter and its value to you ([NorthOhioINCOSE@gmail.com](mailto:NorthOhioINCOSE@gmail.com)).

-Dennis Rohn

C-NO President

## INCOSE Logo Items

Have you ever wanted a shirt or other item with the INCOSE logo on it? Shirts, jackets, coffee mugs, and other accessories are now available for purchase. Items are available at: [https://stores.inksoft.com/incose\\_merchandise\\_store/shop/home](https://stores.inksoft.com/incose_merchandise_store/shop/home). You can even order a shirt with “Americas” embroidered below the logo to indicate the Sector we are a part of.

## INCOSE Videos

The North Start Chapter recently produced two excellent videos to introduce INCOSE and systems engineering. They can be found on YouTube:

INCOSE Intro to Systems Engineering - <https://youtu.be/rsjyyI0VfiU>

INCOSE - A Systems Engineering Community - <https://youtu.be/u9CFrgVFMKI>

Feel free to share these with colleagues to introduce them to INCOSE.

## Welcome to New Chapter Members

Since our last newsletter, we have three new Chapter members. Welcome! The Board of Directors hopes the Chapter can aid you in your professional development, and looks forward to getting to know you.

July

- William Bentley, Proctor & Gamble
- André Mellin, Procter & Gamble Family Care Engineering
- Timothy McEntee, a Chief Architect at RoviSys

-Dennis Rohn

Cleveland-Northern Ohio Chapter Membership Chair

## C-NO Chapter 2019 Election Results

Following the end of the July 22 through August 5 Balloting Period, I am pleased to announce that the newly-elected C-NO Chapter Officers are:

- **President:** Tim Schuler
- **Secretary:** Dennis Rohn
- **Treasurer:** Marian Cronin
- **At-Large Director:** Sastry Kasibhatla.

These Board Members will serve from August 6, 2019 until the end of the first Chapter Meeting in 2020.

Many thanks to everyone who voted!

Further, I am grateful for Carl Dister's expert support as a member of the 2019 Nominations & Elections Committee.

-Bill Klinger

Nominations & Elections Committee Chair (2019)

## GLRC

The theme of this year's GLRC is "Giant Leaps with Systems Engineering." The conference is being held in conjunction with EnergyTech 2019 at the Cleveland I-X Center, the week of October 21.

The conference program will reflect on significant accomplishments of systems engineering, including celebration of the 50th Anniversary of Apollo. Looking ahead to the next 50 years, the GLRC13 will explore the possibilities with systems engineering in meeting the challenges of today and in the future. Tuesday, October 22, and Wednesday, October 23, will feature

presentations mostly focused on systems engineering applied to terrestrial and aerospace energy systems. Wednesday, October 23, and Thursday, October 24, will feature presentations on systems engineering and systems engineering applied to other types of systems. It is anticipated that the week will also include full and half day tutorials. On Friday morning, October 25, the INCOSE Certified Systems Engineering Professional exam will be offered for free. Several exciting speakers are also being planned, including Astronaut Harrison Schmidt, who also spoke at the GLRC held in Cleveland in 2009.

Please consider attending! Registration opens soon. The conference website is: <https://www.incose.org/glrc13>.

## INCOSE International Symposium

The 29<sup>th</sup> Annual INCOSE International Symposium was held at the end of July, in Orlando Florida. The event was held at the Hyatt Regency Grand Cypress Hotel, just minutes away from the various theme parks. The grounds were gorgeous, and all the activities available would have been great, if you didn't have to sit and listen to presentations all day long.



For some attendees, business and strategy sessions started on Friday, July 19, and business and working group meetings continued throughout the week. Saturday and Sunday provided 15 tutorials that attendees could choose from. These included:

- Correcting Misperceptions of Systems Engineering Practices
- Introduction to Systems Security Engineering
- Why the SEMP is not Shelfware: How to write a SEMP to ensure it delivers value to all
- Developing Verification Requirements to Assure Project Success
- Quantitative Risk Assessment
- Tactical Strategies for Overcoming Systems Engineering Dysfunction

The full Symposium kicked off on Monday, July 22, with an opening plenary session and Keynote speaker. This was then followed by up by six parallel tracks of presentations, panels and demonstrations. The same schedule repeated on Tuesday and Wednesday, and was reversed on Thursday, with a Closing plenary and Keynote. The keynotes (photo of speaker and names

shown below) were videotaped and available for viewing on the INCOSE YouTube Channel: <https://www.youtube.com/c/INCOSEYouTube>



Dr. Wanda Austin  
Interim President,  
Univ. of So. California  
*Interdisciplinary Systems  
Engineering inspired by da  
Vinci*



Prashant Dhawan  
Co-Founder, Biomimicry  
India  
*Biomimicry - A Bioinspired  
approach to Systems  
Thinking*



Capt. Winston Scott  
Director, Environmental,  
Tectonics Corporation  
*To the Stars. The Sky Is No  
Longer the Limit*



Grant Begley  
CEO, Rocket Crafters  
*The Underway Global  
Unmanned Systems  
and Robotics Revolution*

There were many interesting presentations and panel discussions, including a panel on Quality Management and the need for engaged people with a zero-defect attitude, and a panel on professional development that encouraged continued professional development, especially in the soft skills area. One discussion point in this later panel that resonated with me was that it is easy to teach the process of systems engineering, but is much more difficult to teach the technical aspects of systems engineering, so systems engineering gets view as process, but really should be more technical. During a later presentation on Systems Engineering Principles, it was stated that the systems engineering should be the expert on the system. A couple themes seemed to be continued focus on model-based, an increased focus on cyber-security, and an increased focus on agile. Papers and presentations from the symposium should be available in the INCOSE Events archive in September.

During the Tuesday Plenary, Chapter Circle Awards were presented. Our Chapter was awarded a Silver Circle Award, for activities performed in 2018. I accepted the award as the Chapter's representative.



A couple announcements made at the Closing Plenary were:

- There were two recent publications released: *Systems Engineering and Systems Definitions* and *State of the Discipline*.
- INCOSE is sponsoring a Grand Challenge associated with clean water
- A Professional Development Portal is in work by INCOSE
- Progress continues to be made on the Tools database that is being assembled

The Symposium had almost 900 registrants, representing 28 countries and 65 chapters. Lunches this year (including fancy desserts) were designed to encourage interaction with other attendees and the exhibitors. There were 28 corporate and 10 Academic exhibitors.

Next year's International Symposium will be held in Cape Town, South Africa, from July 18-23, 2020. Paper, panel, and tutorial submissions are due November 17, 2019, while presentation only submissions are due February 16, 2020.



-Dennis Rohn

## PPI Training Classes

Project Performance International has a couple public offerings of systems engineering classes in the USA in the next few months:

- Systems Engineering – 12-16 August 2019, Washington, D.C
- Systems Engineering Management – 9-13 September 2019, Washington, D.C
- Medical Device Risk Management – 18-20 November 2019, San Francisco, CA

## Upcoming INCOSE Related Events

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

- **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>
- **October 22-24, 2019 – International Conference on Systems Engineering and Engineering Management 2019 (ICSEEM 19) (San Francisco, CA)**
  - <http://www.iaeng.org/WCECS2019/>
- **October 28-29, 2019 – Lean-Agile Frontiers 2019 (San Jose, CA)**
  - <http://www.lean-agile-frontiers.com>
- **November 13-15, 2019 – Complex Adaptive Systems Conference (Malvern, PA)**
  - <https://sites.psu.edu/complexsystems/>
- **January 25-29, 2020 – INCOSE IW 2020 (Torrance, CA)**
  - <https://www.incose.org/iw2020>
- **March 19-21, 2020 – 18<sup>th</sup> Annual Conference on Systems Engineering Research (CSER 2020) (Redondo Beach, CA)**
  - <https://cser.info/2019/05/09/cser-2020/>
- **July 18-23, 2020 – 30<sup>th</sup> Annual INCOSE International Symposium (IS 2020) (Cape Town, South Africa)**
  - <https://www.incose.org/symp2020>
- **January 29-31, 2021 – INCOSE International Workshop (IW 2021) (Seville, Spain)**
- **July 16-22, 2021 – 31<sup>st</sup> Annual INCOSE International Symposium (IS 2021) (Honolulu, HI)**

-Dennis Rohn

## Like us on Facebook

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



### **2019 Chapter Officers:**

**President:**

Dennis Rohn

**Vice-President:**

**Secretary:**

Tim Schuler

**Treasurer:**

Marian Cronin