



The NorthCoast Interfacer



2008



2009 – 2013, 2015-2016



2014

President's Corner

Greetings, Chapter! I am honored to serve as your President this year, and grateful for the support of our dedicated Board of Directors and Committee Chairs. As many of you know, last year was my first year serving in our chapter with the other fellow board members. We continued to build off our past successes with promoting systems engineering in our communities as well as expanded our outreach to local universities and high schools. I am very excited to continue the tradition of excellence this year, and I wish to call on other chapter members to contact me or any other board member to learn how you can help us expand in these new and exciting areas.

Your Board of Directors already began planning for this year's strategy. Like last year, we are planning several presentations from industry such as how systems engineering can play a role in assessing an organization and a practical approach to writing a system specification. So, look for these and other exciting news in the coming months.

We have pre-selected our chapter meeting days this year with a slight change from last year's approach. Since I work out of state, our plan is to conduct chapter meetings on Friday's so that I have an opportunity to meet as many of you as possible. As we solidify our plan, we'll update you to include meeting topics and presenters. If you are interested in recruiting, coordinating, presenting or planning a Chapter Meeting, please don't hesitate to reach out to your board. Remember, we are here to serve the chapter and help ensure we can facilitate your needs to continue your journey as a system engineering professional.

Joe Stevens

C-NO President 2018

Institute for Technical Leadership

INCOSE recently announced, nominations for the 4th cohort of the INCOSE Institute for Technical Leadership. They are seeking nominations from the Americas Sector.

Candidates for the Institute must be nominated by an INCOSE Board Member, Director, Assistant Director or Chapter President. The first step in that process is for you to identify a candidate who has demonstrated their:

- Aptitude in both systems engineering and technical leadership
- Comfort working in an uncertain world and ability to tackle wicked, messy problems
- Interest in and commitment to enhancing personal systems engineering leadership
- Potential for assuming positions of greater leadership in the future

This process includes a nomination letter that describes a specific instance in which the candidate has demonstrated one or more of the following leadership behaviors:

- Held the vision
- Thought strategically
- Fostered collaboration
- Communicated effectively
- Enabled others to be successful
- Demonstrated emotional intelligence

Next, once you have written the letter, send it to the nominee, along with the information package*, as well as to info@incose.org. Instruct the nominee to complete the application package described in the slides, zip it and send the zipped file to info@incose.org by March 15th.

*If anyone is interested in participating in this process, please contact me and I will provide you with an information package.

In the meantime, if you have any questions, or would like any assistance with this process, please contact me at jstevens1437@yahoo.com. The Board looks forward to receiving your nominations.

Joe Stevens

INCOSE International Workshop 2018

The INCOSE International Workshop (IW) 2018 was held at Jacksonville, Florida during Jan 20-23. Some of our INCOSE Cleveland-Northern Ohio Chapter members participated at IW and participated in various technical workshops. INCOSE IW has been a great venue for SE across the world to come together and have a focused technical workshop and share ideas. This year at IW18 Model Based SE, Agile SE, Systems of Systems, Systems Science, and Health

Care SE were some of the popular working groups where the workshop sessions had greater participation and engagement. Those who actively participate, chair, and contribute one or many INCOSE working groups, IW provides the opportunity to meet there working group fellow members in person as they sit down for the focused workshops.

In addition to technical workshops there were lots of exciting and interesting events such as plenary, roundtables, town hall, technical leadership event, SEP certification event, CAB meetings, etc. From the few inputs that I received from a couple of our members, it appears the IW was another fantastic event!

Please visit <https://www.incose.org/iw2018/home> to find out more about the past IW2018 events details.

Joe Stevens

Call for Nominations for Pioneer, Founder and Outstanding Service Awards

Don't miss your opportunity to nominate a colleague!

The deadline is 1 March 2018 for nominations for Pioneer, Founder and/or an Outstanding Service Award. Award criteria, nomination instructions and guidelines can be found at:

[INCOSE Awards](#).

Check out the NEW INCOSE Guide to Writing Requirements

This Guide for Writing Requirements is specifically about how to express textual requirements in the context of systems engineering. The main focus of this Guide is on how to express requirements clearly and precisely once they have been discovered, and in a form convenient for further analysis and implementation, independent of whichever process or Systems Engineering (SE) tool is used to capture and manage the requirements.

You can find the Guide in the [INCOSE Store](#).

INCOSE 2018 International Symposium

The INCOSE 2018 International Symposium is coming to Washington D.C. IS2018 will be held at the Grand Hyatt Washington DC, July 7-12, 2018. The Theme for this year's Symposium is **Delivering Systems in the Age of Globalization**. INCOSE's Annual International Symposium is the largest annual gathering of people who do systems engineering, for four days of presentations, case studies, workshops, tutorials and panel discussions. The program attracts an international mix of professionals at all levels, and includes practitioners in government and industry, as well as educators and researchers. You can also take time to see

our Nation's Capital. For more information visit the Symposium website:
<https://www.incose.org/symp2018/home>.



28th Annual **INCOSE**
international symposium

Washington, DC, USA
July 7 - 12, 2018

New logo announcement

We recently received permission from our INCOSE Central office that permits us to officially use our new logo. The notion to change our logo arose last year during one of our monthly BoD meetings. Mr. Tim Schuler coordinated the design and presentation to the BoD last fall and Katie Trase submitted it for approvals.

Our BoD is also working on gift ideas where we will investigate what options we may have to fix the logo on to apparel. More to follow on this one.



Joe Stevens

New Chapter Members

In January, we had one new member join the Chapter: Johnny Gest of ReliabilityFirst.

Welcome! The Board of Directors hopes the Chapter can aid you in your professional development, and looks forward to getting to know you.

Dennis Rohn

Cleveland-Northern Ohio Chapter Membership Chair

Chapter Meeting Minutes

January 26, 2018

2017 YEAR IN REVIEW

Katie warmly thanked each C-NO Board Member, the Past Presidents, and other active supporters for their good work, during 2017.

Katie cited the September 22 “Behind-the-Scenes Tour” of Cedar Point as a highlight event of the past year.

Our new, closer liaison to the Michigan Chapter made Katie feel hopeful for increasing cross-chapter engagement and collaboration, in the future.

OFFICER TRANSITION

Katie passed the Presidential baton to incoming President Joe Stevens (who served as C-NO Vice President / President-Elect, during 2017).

2018 PLANNING

First, Joe gratefully recognized the “handful” of core C-NO Chapter Members who provide continuity for the chapter, along with their faithful ongoing support.

Then, Joe led a group discussion of specific, actionable ideas for chapter events during 2018.

General Objectives

Among other things, Joe wants to:

- Promote Systems Engineering.
- Nurture development of an INCOSE Student Chapter, at Case Western Reserve University (CWRU).
- Take advantage of “more than 200 years” of SE experience among the core C-NO Chapter Members. For example, to inform high school and college students about SE career options.

Suggestions

- Carl urged outreach to Northeast Ohio companies in the medical field and other nontraditional SE fields, because we have seemingly reached saturation with NASA GRC and the local aerospace firms.
- Joe wants to invite *students* to C-NO Chapter Meetings, but he worries that the optimal timing (with respect to their calendar) is unclear.
- John reports that INCOSE’s Power and Energy Systems Working Group (PESWG) is looking to identify targets needing attention (per an Obama directive), such as Critical Infrastructure, Cybersecurity, and the evolving Smart Grid. John is regularly in contact

with Ken Loparo at CWRU, regarding the Cuyahoga County Micro-Grid Project. John seeks support from the C-NO Chapter.

- John explained that the EnergyTech 2017 program yielded seven hours of video, which can be used by the Chicagoland, C-NO, and Michigan chapters, in their promotional efforts. Some “cost recovery” is needed, because it was expensive to produce the videos. John to put Jack Stein in touch with Joe Stevens.
- Carl emphasized that some of the Northeast Ohio “Growth Market” may be eager for fast, agile, low-budget development. For example, a Program Manager in a small company wants to know, “How much ROI can I get by applying Systems Thinking to my immediate, two-year project, *without* putting a full SE Infrastructure in place?” We should present the Business Case, for small firms.
- Katie proposed that we ask specific INCOSE Working Groups to do the heavy lifting toward our educational efforts, on various topics. Bits and pieces have already been developed by the Working Groups. We should check the existing resources, available in INCOSE’s SEBoK.

Candidate Speakers and Topics

- Barb Dmoch.
- Jeff Glaub, on heavy robots for the Army.
- Julie Thompson Klein (Professor of Humanities in the Department of Interdisciplinary Studies at Wayne State University), on interdisciplinarity and transdisciplinarity.
- Katie Trase, on MBSE.
- John Juhasz, on the Cuyahoga County Micro-Grid Project.
- Joint meeting with PMI, to introduce PMs to SE, and then share perspectives. Perhaps arrange for a consultant (such as Dave Walden) to give a presentation or tutorial on SE.

Upcoming INCOSE Related Events

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

- March 4-11, 2018 – IEEE Aerospace Conference (Big Sky, Montana)
 - <http://aeroconf.org/>
 - Abstracts submittal deadline has passed
- April 19-20, 2018 – 4th Annual Systems Engineering in Healthcare Conference (Minneapolis, MN)
 - <https://www.incose.org/hwg-conference/home>
- April 23-26, 2018 – 2018 IEEE International Systems Conference (Vancouver, Canada)
 - <http://ieeesystemscouncil.org/>
 - Initial Manuscript deadline has passed

- April 30-May 2 – Systems Engineering Test and Evaluation Conference (Sydney, NSW, Australia)
 - <http://sete2018.com.au>
- May 8-9, 2017 – CSER 2018 16th Annual Conference on System Engineering Research
 - <http://www.sercuarc.org/events/16th-annual-conference-on-systems-engineering/>
- June 19-22, 2018 – IEEE International System of Systems Engineering Conference (Paris, France)
 - <http://sosengineering.org/2018>
- June 24-27 – 125th Annual American Society of Engineering Education (ASEE) Conference and Exposition (Salt Lake City, UT)
 - <https://www.asee.org/conferences-and-events/conferences/annual-conference/2018>
- July 7-12, 2018 – INCOSE International Symposium 2018 (Washington DC)
 - <http://www.incose.org/symp2018>
 - Paper submittal deadline has passed
- July 22-27, 2018 – 62nd Conference of the International Society for the Science of Systems (ISSS) (Corvallis, OR)
 - http://issss.org/world/ISSS2018_Corvallis
- August 20-24, 2018 – 26th IEEE Intl. Requirements Engineering Conference (Banff, Canada)
 - <http://re18.org/>
- September 17-19, 2018 – AIAA Space 2018 Forum (Orlando, FL)
 - <http://www.aiaa-space.org/>

Dennis Rohn

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2017 Chapter Officers:

President:

Joe Stevens

Vice-President:

Secretary:

Tim Schuler

Treasurer:

Marian Cronin