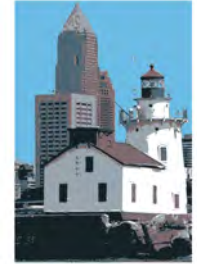


The NorthCoast Interfacer



<http://www.incose.org/cleveland/index.htm>

President's Corner

Those who attended the April Chapter Meeting met and heard David A. Long, current INCOSE President. After David returned home to Virginia, he sent me a handwritten notecard, expressing some very kind remarks about his visit to Cleveland:



I've had the privilege of meeting with chapter leadership teams around the world, and I am happy to say that the C-NO Board is absolutely first class!

With a depth of experience (in INCOSE and the greater industry), new blood and new ideas, true passion for the profession and the organization, and a commitment to do the right thing to move the chapter forward, your team is a shining example for chapters small and large.

There's no doubt that the future is bright for C-NO.

Congrats to the C-NO Chapter Leaders and all of our active members, for making such a positive impression on the INCOSE President! Let's continue to strive for excellence.

For now, I direct your attention to three upcoming INCOSE events:

- **May 27, 2014:** C-NO Chapter Meeting. Dr. Brian Castellani of Kent State University speaks on "Complexity and Its Implications to the Systems Engineering Process."
- **June 30 - July 3, 2014:** 24th Annual INCOSE International Symposium; Las Vegas, Nevada.
- **July 28-30, 2014:** INCOSE-IEEE EnergyTech 2014, held jointly with the AIAA Propulsion and Energy Forum and Expo; Cleveland Convention Center.

Bill Klinger
C-NO President (2014)

Editor's notes

So spring may finally decide to show up after all, but don't let that keep you from coming to our next chapter meeting. Please note that instead of it being on the normal 3rd Tuesday of the month, it has been pushed back a week and now is the day after Memorial Day. As always feel free to send me any information for the newsletter, with the new format and publishing schedule expect to see an email call for input at the beginning of June. We would like to see the Employment Connections become a useful addition to the newsletter, so send me your information. Also there is still plenty of time to register for INCOSE IS2014, <http://www.incose.org/symp2014/>. I would also like to add my thanks to David Long for speaking at the last chapter meeting, it was an engaging talk and I for one look forward to his plans for the future of INCOSE.

Sean Beckman

New Chapter Members

Welcome to our newest C-NO members, Charles Murman and Douglas Haunhorst. Charles joined in February and is employed by ReliabilityFirst. Douglas joined in March and is employed by Honda R&D Americas, Inc. The C-NO Board of Directors welcomes you. Look forward to seeing you at the next Chapter Meeting!

Carl J. Dister

VP / President-Elect

Upcoming Chapter Meeting

Tuesday, May 27th, 2014, 5:30 PM

Moosehead Hoof and Ladder

7989 Columbia Rd, Olmsted Falls, OH 44138

Guest Speaker: Dr. Brian Castellani, Professor of Sociology, Kent State University, Head of the Complexity in Health Group

Registration Requested: See Eventbrite link in email announcement or at <http://www.incose.org/cleveland/>

Abstract for the presentation: Systems Engineers are moving ahead with various initiatives to enable Model Based Systems Engineering. But these initiatives may not be capturing the idea that these systems are Complex. INCOSE and ISO-15288 process areas capture best practices to address complicated systems, but that there are additional methods require to address the emergent behavior found in Complex Systems. This presentation will discuss some of the deficiencies in the current ISO-15288 processes, then provide an overview of the SACS Toolbox approach to viewing a complex system.

Bio: Brian Castellani, Ph.D. is a professor of sociology at Kent State University and an internationally recognized expert in statistics, mixed--methods, and the development of computational and complexity science methods, as well as their application to a variety of topics in health and health care and communities and cities. He is also known for his development of the SACS Toolkit, a case---based, mixed---methods, computationally---grounded framework for modeling complex systems.

Recent Chapter Meetings

March 18, 2014

John Juhasz, Co-Chair of the Power & Energy Systems Working Group, briefed the Chapter on the upcoming EnergyTech 2014 Conference, to be held July 28 – 30, 2014 at the Cleveland Convention Center. John noted that INCOSE representatives to the conference planning team are emphasizing sessions on the application of systems engineering practices to energy systems.

Joe Calabrese, CEO/General Manager of Greater Cleveland Regional Transit Authority (RTA), presented a fascinating overview of our city’s transportation services: “Greater Cleveland Regional Transit Authority: Not Your Grandfather’s RTA.” Joe made note of the variety of systems challenges RTA has overcome, including a successful effort on the HealthLine on Euclid Avenue to reduce bus stops while simultaneously decreasing route travel time.

April 15, 2014

The C-NO Chapter was greatly honored to welcome INCOSE President David A. Long, who graciously traveled from Virginia to speak at this chapter meeting.



David offered many helpful tips for successfully applying *Systems Engineering in Turbulent Times*.

Some key takeaways:

- Embrace the Systems Engineering foundation built over the last 60 years, epitomized by the harmonization of standards in the *INCOSE Systems Engineering Handbook*.
- Welcome change, in requirements and technologies. “The most costly errors are still made on day one.”
- Five Key “Lean” Enablers:
 - Map the management and engineering value streams and eliminate non-value added elements.
 - Ensure up-front that capabilities exist to deliver program requirements.
 - Use Systems Engineering to coordinate and integrate all engineering activities in the program.

- Pull tasks and outputs based on need and reject others as waste.
- Strive for perfect communication, coordination, and collaboration across people and processes.
- The greatest contribution of Model-Based Systems Engineering may be as an enabler to *Model-Based Engineering*. MBE could be the truly “disruptive technology” as we:
 - Accelerate time to market.
 - Be more responsive and resilient to change across the lifecycle.
 - Reduce defects.
 - Reduce cost.
- Systems Engineers see “the big picture.” Others typically see a smaller picture. We need to package our messages in a form that the audience can understand, in order to close the gap.
- This is a challenging time and a rewarding time to be a Systems Engineer. We are experiencing the transformation of our practice, just as we face the world’s toughest problems.

MBSE Workshop

Katie Trase is leading a team of intrepid Chapter Members in developing content for a Model-Based Systems Engineering (MBSE) Workshop to be held later this year. We want this training to suit your needs! If you have preferences as to the content we cover, or how we conduct the training, we would appreciate your input. Please forward any recommendations or ideas to Katie Trase kathryn.trase@incose.org by May 30, 2014.

Employment connections

Job Seekers

Sean Beckman - I am currently seeking employment as a systems engineer so in the North East Ohio area. I have been a systems engineer for over 13 years mostly in the area of government contracting in aerospace with some in commercial aircraft. Most of the time has been at NASA but also subcontracting to Boeing on the 747-8 commercial aircraft and most recently supporting the Army with trade studies. I hold an active secret clearance. I have experience in requirements management, risk managements, model based systems engineering, trade studies, systems architecture, interface definition and integration and verification. sean.beckman@incose.org

Consulting Services

TBD

Job Openings

Vita-Mix Corporation is interested in consulting with an Acoustic Engineer to review our current noise measurement equipment and procedures, and make recommendations as we standardize our in-house noise testing. Please contact Susan Mayer SMayer@vitamix.com 440-782-2678.

Did you know?

We may think of Systems Engineering as a relative newcomer into the interdisciplinary fields of engineering, but as early as 1949, the US Navy Electronics Laboratory in San Diego recognized the concept of systems engineering as a means to convert new ideas into “practical pieces of equipment for use by the fleet.”

-From a March 1949 article in Popular Mechanics magazine.

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If you are on Facebook, search for [Cleveland-Northern Ohio INCOSE Chapter](#) and “like” us. And of course don’t forget to check our website for information and updates. <http://www.incose.org/cleveland/index.htm>



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