

The NorthCoast Interfacer



2008

2009 - 2013

2014

President's Corner



Greetings All,

I am honored to serve as your Chapter President for 2016 and look forward to working with my colleagues on the C-NO Board of Directors: Katie Trase – VP/President-Elect, Brad Gilliam – Secretary, and Ernest Ansu-Gyeabour – Treasurer to continue developing technical activities that advance the state and art of systems engineering for our chapter membership, and to provide networking opportunities that you can't find anywhere else!

Our chapter benefits from the fine mentoring support from Past-President Carl Dister and several other long-standing contributors who work diligently behind the scenes to enhance communications with the newly updated website www.incose.org/ChaptersGroups/Chapters/ChapterSites/cleveland-northern-ohio/chapter-home and our bi-monthly newsletter, The NorthCoast Interfacer, and to implement plans for cross-pollination with other INCOSE chapters and technical societies.

Although our chapter is not quite a decade old, I've seen that we have a wonderful tradition of passing along wisdom from prior years through input from previous board members and the generous support from those who are interested in sharing their ideas for chapter growth and diversity in the domain areas represented.

In the coming year, we plan to bring you more and varied topics and formats for our monthly chapter meetings, and invite your suggestions and feedback!

I look forward to seeing you in March, at our next chapter meeting.

Sincerely,

Marian Cronin

C-NO President (2016)

New Chapter Members

We welcomed one new member to the Chapter in January and February: Brian Hallett, of ReliabilityFirst. The Board of Directors looks forward to meeting you, at future Chapter meetings or events.

Dennis Rohn
Cleveland-Northern Ohio Chapter Membership Chair

Past Chapter Meeting Notes

January 19, 2016

Carl Dister presented “Modeling and Managing Complex Systems” slides from the 17th International DSM Conference 2015-2016, highlights:

- DSM: Design Structure Matrix - invented in 1969, Don Steward one of the inventors;
- Covered DSM basics and complex modeling approaches;
- Included slides on Carl’s paper presentation highlights, “Applying DSM methodology to rank risk of internal controls in critical infrastructure enterprises”;
- Discussed some foundational and other concepts on the subject, referred to collectively as “Popular Techniques to Address Complexity in SE”:
 - Causal Networks – “Causality” – Judea Pearl;
 - Optimization – “Risk Modeling, Assessment, and Management” – Yacov Haimes;
 - Design Structure Matrix – “Design Structure Matrix Methods and Applications” – Steven Eppinger and Tyson Browning
 - “Constraint Theory” – George Freidman;
 - Big Data Analytics;
 - MBSE/SysML.

2016 International Workshop Highlights

The 2016 INCOSE International Workshop was once again held at the Marriott Hotel in Torrance, California, January 30 to February 2. There were over 450 participants and many more meetings and activities than in previous years. One of the themes of this year’s IW was to accelerate the transformation of systems engineering to a model based discipline. As a result, Model-Based Systems Engineering (MBSE) was promoted throughout the IW, rather than at a “separate” MBSE workshop. Watch for an out brief at a future chapter meeting.

Upcoming INCOSE International Symposia and Workshops are as follows: 2016 International Symposium, July 18-21, 2016 in Edinburgh, UK; 2017 International Workshop January February 2017 (dates and location in Florida to be announced); 2017 International Symposium, Jul 17-20, 2017 in Adelaide, Australia.



The incoming INCOSE Board

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2015 Chapter Officers:

President:

Marian Cronin

Vice-President:

Katie Trase

Secretary:

Brad Gilliam

Treasurer:

Ernest Ansu-Gyeabour