Midwest Gateway Newsletter

International Council on Systems Engineering

President's Corner

Bob Scheurer
President MGC INCOSE

I hope you had a chance to attend our most recent meeting on Wednesday, June 22 where we learned more about Systems Architecting and the new DoDAF 2.0. (see article to the right). Thanks to Dale Waldo and Lou Pape for providing a very inform-ative and engaging presentation on the subject. I think we could have spent far more time than the 50 minutes available to discuss this subject, particularly based on the questions and discussion after the meeting. You can find Dave and Lou's presentation posted now on our chapter web site.

I also hope to have seen some of you at the 20th International Symposium of INCOSE in Chicago on July 12 – 15. It's been 15 years since the International Symposium has been this close to our chapter's home area, when in 1995 our Midwest Gateway Chapter hosted the 5th Symposium of the National Council on Systems Engineering

Architecture – Ignore at your own risk
DODAF 2.0 – It's the law for all future DOD programs

The "Architecture – Ignore at your own Risk" presentation topic, which focused on DODAF 2.0, was presented by Lou Pape and Dale Waldo at the MWG INCOSE membership meeting in June. The following is the presentation summary and the author's biographies.,

Presentation Summary:

Sponsored by:

With the DoD demanding improved inter-operability between its weapon systems, architectures have become increasingly important. Every program has an architecture, with the methods for describing it evolving over the years. These changes are in response to increasing complexity and challenges of defining programs in terms of system communications, architectures, and interfaces. This talk explained the importance of architecture and the evolution of the DoD products used to describe architectures, up to the recently-released DoD Architecture Framework (DoDAF 2.0).

Note that this presentation as well as most of the other past Chapter presentations are available on our web site on the "Presentations" web page. www.incose.org/mdwest/presentations.htm

Lou Pape:
Mr. Pape has been a Systems Engineer for over 35 years. He's worked on high power and communic-ations lasers, GPS spacecraft and user equipment, launch vehicles, KC-135s, T-39, F-15 and F-18, wind tunnels, models of the atmosphere, and at the Pentagon. He retired as an Air Force colonel, and worked at TRW, McDonnell Douglas, and is an Associate Technical Fellow at Boeing. His BS is in Physics, MS in Optics, he has an MBA, and is currently a PhD candidate in Systems Engineering at Missouri University of Science and Technology.

Dale Waldo:
Mr. Waldo has been a Systems Engineer for over 30 years, working on various military spacecraft, large and small laser systems, radar systems, communications systems, and UAVs. He has worked at TRW, Hughes Space and Comm., McDonnell Douglas, and Boeing. Currently he is the Lead Systems Engineer for the Automated Aerial Refueling Program. He is an Associate Technical Fellow Boeing, has a BS in Electrical Engineering and an MS in Systems Engineering, and is a PhD Candidate at University of Missouri Science and Technology.

Professional Societies – The "Original" Social Network

Everyone these days is either using or talking about the various social networks available on the internet, such as Facebook or Linked In. These networks can serve a very useful purpose in reconnecting old high school buddies or learning about the latest advances in technologies. But did you know that you have an even more valuable network right in your own

community? Yes, it's your local INCOSE chapter.

As a member of our Midwest Gateway chapter, you have access to a large experience base of applying systems engineering in various commercial and defense industry settings. Getting first-hand experiences in real time and in person can be a huge advantage, not to mention the enduring

professional relationships which can be fostered in the process.

All things considered, a membership in INCOSE can go beyond the limitations of the virtual world. With that in mind, we hope to see you in person at an upcoming Midwest Gateway INCOSE Chapter meeting or event. After all, it's an original social network.

Midwest Gateway Chapter Welcomes 100th Active Member

As we hope everyone has seen themselves, our chapter is having a great 2010. In addition to the sold-out tutorial in April, we recently saw our largest attendance of the year at the June chapter meeting with over 35 participants.

Along those lines of participation, we're delighted to welcome our 100th active member in June with the addition of Roger King of Grain Valley, Missouri. Roger is a Sr. System Engineering Mgr. of Alliant Techsystems and was assigned member number 29868 by INCOSE Central. Welcome to our chapter, Roger!

Our Local Chapter of INCOSE - Active in the Community

Fellow INCOSE Members, here's a photo of our INCOSE banner at the Youth Exploring Science Career Day at the Science Center on 15 Jan 2010. Sorry it took so long to get the photos, I broke my camera. I talked to about 50 kids total and their teachers about being a systems engineer and member of INCOSE.

Our Midwest Gateway Chapter also had representation at the Rockwood 8th Grade Career Fair on 24 Feb at the Kemp Auto Museum, but that was so crazy and busy that we didn't have time to get pictures. That was primarily representing Boeing, but we talked about INCOSE and professional organizations there, too.

Lou Pape, 314 233-5782

Reaching the Vision

Our chapter continues to work hard in meeting the objectives set out at the beginning of 2010. We're well on our way to completing many of our goals, as noted in the status board below.

INCOSE Midwest Gateway Chapter 2010 Goals	Status	Score
1) Develop and deliver at least one tutorial	🔵	completed
2) Have at least two member papers accepted for the next symposium	🟠	TBD out of 2
3) Provide at least three special recognitions to members in the chapter	🟠	TBD out of 3
4) Publish at least four chapter newsletters	🔵	3 out of 4
5) Conduct at least five outreach engagements with other societies, universities, schools, etc.	🟢	3 out of 5
6) Have participation of at least six Midwest Gateway Chapter members in IS2010	🔵	12 out of 6
7) Identify at least seven events where our chapter banner is exhibited (and photographed where possible).	🟢	3 out of 7
8) Hold at least eight chapter general membership meetings/presentations	🟢	6 out of 8
9) Receive at least nine new members into our local chapter	🔵	16 out of 9
10) Conduct at least ten Board of Directors meetings.	🔵	6 out of 10

President's Corner Cont'd

(NCOSE) and was transformed into an international society called INCOSE.

Things typically slow down for the summer months, with members going to the symposium and/or vacations. However, our chapter will continue to work toward delivering quality systems engineer-ing products to you; we hope you'll be able to take advantage of them. Our next chapter meeting will have a theme of IS2010 symposium review and current events in systems engineering, tentatively planned for shortly after the symposium.

Thank you for your on-going involvement with our chapter and we hope to see you at an upcoming Midwest Gateway INCOSE event.

FYI - INCOSE Products

Did you know that the INCOSE International site now has a "Products and Publications" links page? It's a list page and is easier to read than a drop down menu.

Although it's not noted on this page, there is a new version of the INCOSE Handbook available. Follow the link and look for Handbook version 3.2.

http://www.incose.org/sitemap/menuSitemap.cfm?topNodeID=6

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