

The Integrator

INCOSE North Star Chapter



Volume 7, Issue 1

February 2011

North Star Newsletter

INCOSE North Star Newsletter Communication

Eileen.Arnold@INCOSE.org

Eileen Arnold, PMP and ESEP-Acq
Editor, BAE Systems

Systems Engineering at its Best!

HIGHLIGHTS FROM THE INCOSE IW2011

INCOSE Strategy Workshop, 28/1/2011

There were four strategy focus areas identified for INCOSE this year:

- 1) SE Vision for 2025 - work starting to update the future vision of systems engineering - Ray Jorgenson
- 2) Member Board Transformation - A greater voice for Chapters in INCOSE decision-making - Asmus Pandikow
- 3) Lines of Business - Changing accounting practices to focus on lines of business positive revenue generation to grow INCOSE. Initial lines are: membership, certification, publishing, conferences, training, and advertising - John Thomas
- 4) Organizational Relationships - Ralf Hartmann

Technical Operations:

Jean-Claude Roussel (France) is the new Technical Director with oversight for 40 INCOSE working groups and numerous Standards committee representatives such as

- WG4 – Tools and Environment
- WG7 – Life Cycle Management
- WG10 – Process Assessment
- WG19 – System Modeling
- WG20 - Certification
- WG24 – Life Cycles for Very Small Enterprises
- SC5 Architecture, Communications & Integration Frameworks

Continued on page 2

Chapter President's Corner

**Paul Frenz, General Dynamics-AIS
INCOSE North Star Chapter 2011 President**

I would like to first recognize one of our INCOSE North Star leaders, John Palmer, for receiving the 2011 Charles W. Britzius Distinguished Engineer Award for Lifetime achievements from MFESTS (Minnesota Federation of Engineering, Science, and Technology Societies). Congratulations John – this is well deserved!

I just returned from the INCOSE 2011 International Workshop in Phoenix. This workshop is primarily a working session where the various boards, committees, chapters, and working groups get together face to face to conduct business. A lot of work gets done during these dedicated four days. Next big event is International Symposium June 20-23 in Denver. This gathering has more of a learning focus with tutorials, papers, and plenary sessions that you tailor to your interests. Denver is not too far away and I would encourage you to consider attending.

North Star chapter is on track with offering a Certified Systems Engineering Professional (CSEP) Tutorial this spring. Final details are being worked out with announcement coming soon.

Paul Frenz at <paul.frenz@gd-ais.com>

North Star Chapter Website
<http://www.incose.org/northstar>

Quotable Quotes:

"We must be the change that we wish to see in the world." Mahatma Gandhi

- SC4 Industrial Data (ISO 10303 – AP233 SE data exchange)

A new working group, the Competency WG was officially kicked off at the IW. North Star's own Eileen Arnold and Rashmi Jain are the Chairs with 18 initial members.

WG awards presented.

- Small, Very Small and Micro SE orgs
- Measurement WG – Our very own Paul Frenz was part of this award for the Leading indicators, Measurement Primer
- Lean SE practices – Lean Guide
- Youth Outreach
- Architecture WG – Academic Research

BKCASE Project:

Joint IEEE and INCOSE development of a paper pointing to sources for systems engineering

- 1) Intro
- 2) Characteristics of Systems
- 3) How to do SE
- 4) SE in Organizations
- 5) Examples and Case Studies

Guidance for programs offering professional SE masters degrees (GRCSE)

Academic effort offering guidance for SE curriculums at the masters degree level.

Corporate Advisory Board (CAB)

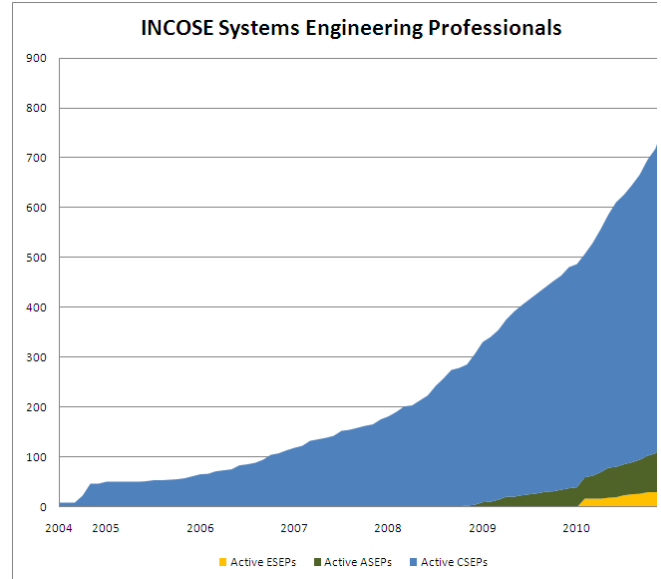
Five new organisations have joined the CAB; including Ford Motor Company. This widens INCOSE's membership in non-defence areas which is INCOSE's aim. The CAB is keen to enhance how CAB organisations support local chapters. The main focus was US Chapters since most non-US Chapters are national (country chapters) and have mini-CABs. Good examples exist of CAB companies providing venues, telecom numbers etc. It was suggested that CAB companies form a mapping between Chapters and CAB company locations so that help can be solicited and/or offered.

Certification:

The Certification Advisory Group (CAG) performed a Strengths/Weaknesses/Opportunities/Threats (SWOT) analysis of the INCOSE certification program to assess where improvements could best be made in the overall strategy and organization. The certification program is growing at an exponential rate. North Star Chapter's own Dave Walden, the Certification Program Manager, shared

the following numbers of certified professionals as of 31 December 2010:

762 Active SEPs
 32 ESEPs (5 ESEP-Acqs)
 640 CSEPs (84 CSEP-Acqs)
 90 ASEPs (1 ASEP-Acq)



WELCOME, NORTH STAR NEW MEMBERS!

| Name | Company | Title |
|----------------|---------------------------|-----------------|
| Jeremy Aaby | LMCO | SI&T Eng |
| Kenneth Baker | Neurostream Tech | Prin SE |
| Joe Green | Medtronic | Eng Mgr |
| John Kess | Eaton Hydraulics | Senior Eng |
| Brian Larson | Multitude Corp | |
| Kelly Lee | IBM | Tech Sales Mgr |
| Paul Maggitti | GD C4 Systems | SE Staff |
| Lynn Meredith | LMCO | Fellow |
| Chris Petersen | Medtronic | Sr. Prin. SE |
| Yolanda Petre | Eaton Co. | SW Eng |
| Ron Petri | Medtronic | Sr. PM |
| Dan Preska | | Retired |
| Peter Rech | Eaton Corp Innovation Ctr | Senior Eng Spec |
| Kyle Schroeder | Eaton Corp | Lead Prod Eng |
| Rod Templen | Goodrich Sensors & IS | SE |
| Mike Vogt | Purple Crayon Labs | Sr. Scientist |