



Chesapeake Chapter INCOSE

International Council on Systems Engineering

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Vol. 1 Issue
4

April 2010 E-Newsletter

Dinner Meeting - Wednesday 21 April 2010

The Focus of DoD's AT&L Systems Engineering Office in the Area of SE Standards and Guides

Donald J. Gantzer Senior Systems Engineer DDR&E/SE Mission Assurance SE Support Office [SESO-SAIC]

Presentation: Mr. Gantzer's presentation will cover a number of areas. These include the current Systems Engineering organization, roles and responsibilities; implications of recent DOD acquisition policy, e.g., the War Fighter Systems Acquisitions Act; and the status of activities, with emphasis on SE standards and guidance regarding Mission Assurance.

Meal: Sesame-ginger stir fried chicken; Jasmine rice and Stir fried Asian vegetables

Reservations: By website: Credit card via PayPal, go to our [>>Events Page<<](#)

By phone or email: Contact Dave Griffith at d.griffith@ngc.com or call 410-993-2806

For details on the presentation, more about the speaker, cost details, cancellations, and directions >> [please download this month's flyer HERE](#)<<

Presentation ONLY: FREE (no reservations necessary)

The purpose of the Chesapeake Chapter is to foster the definition, understanding, and practice of world class systems engineering in industry, academia, and government. In light of that goal, every month at our dinner meeting we have a drawing for the latest in Systems Engineering literature. So come on out for a chance to win.

This month's door prize is:

Waging War on Complexity Costs: Reshape Your Cost Structure, Free Up Cash Flows and Boost Productivity by Attacking Process, Product and Organizational Complexity



April 2010

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This is the monthly newsletter for INCOSE Chesapeake, a local chapter of INCOSE International. We are a not-for-profit organization dedicated to providing a forum for professionals practicing the art and science of Systems Engineering in the Northern & Central Maryland & Southern Pennsylvania area.



by Stephen A. Wilson

Get to Know ...

Our new President-Elect: John Lewis



Mr. Lewis has served as an information system architect and team leader on numerous commercial and government projects. The \$100m DARPA Initiative in Current Engineering (DICE) gave him a dozen subcontracts to manage, the Product Process Organization (PPO) model for the enterprise, the GE Concurrent Engineering Toolkit (an early offering of engineering and manufacturing

services on the INTERNET), and cross disciplinary tools for designing/manufacturing dozens of products. That experience lead to other enterprise models like the Army Material Command Information Systems Architecture (AMCISA) and the Army Operational Data Repository (AODR). Mr. Lewis was also responsible for designing and developing software products like the GE/DEC VAX Decision Expert and hardware products like the signal processing front end for the pioneering Yale ELL workstation and its application to the analysis of cardiac rhythms. Mr. Lewis earned a BS in Physics at Stanford University and a PhD in Computer Science from Yale University. He has taught at Yale University, SUNY Albany, Union College, Arizona University, Johns Hopkins, and UMBC. John in the past has served as director of communications in the INCOSE Chesapeake Chapter.

Learn even more about the other Board Members in the [About section of our new improved Website.](#)

Did You Miss Last Month?



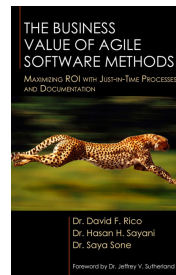
Business Value of Agile Methods

Dr. David F. Rico; Boeing Cyber Solutions;

A well received presentation on Agile Methods, as well as an overview of popular Agile Methods, and a brief survey of the benefits of Agile Methods as reported by major industry studies

(including rarely seen, late-breaking economic data and results from the top consulting firms). If you missed it, not to worry -- you can download his presentation >>[HERE](#)<<

Visit our [Library section of our new improved Website](#) to also find other copies of presentation materials from previous meetings or other gatherings of interest. Poke around and see if anything looks interesting.



Mark your Calendars:

Date: 19 May 2010

Presentation: *Risk Profile for NASA's Crew Exploitation Vehicle (CEV, named ORION)*

Speaker: Dr. Paul Mahata

[>>download May flyer HERE<<](#)

Date: 16 June 2010

Presentation: *Real-world Systems Engineering - The Lunar Reconnaissance Orbiter*

Speaker: Mr. David F. Everett, NASA

[>>download June flyer HERE<<](#)

The Chesapeake Chapter is always looking for volunteers to speak at our upcoming meetings! Please contact our Programs Director, [Mr. Donald York](#), if you would like the opportunity to speak or can recommend someone.

Did You Know? The International Council on Systems Engineering has established a multi-level Professional Certification Program to provide a formal method for recognizing the knowledge and experience of systems engineers, regardless of where they may be in their

career.



[Read more details at the INCOSE Website.](#)

SE Education Opportunity

UMBC has Systems Engineering graduate programs designed for working engineers, taught by the region's top systems engineers from leading defense contractors and overseen by a board of faculty and industry leaders. Programs include:

- Master's Degree in Systems Engineering
- Graduate Certificate in Systems Engineering

Interested? Then check out this opportunity --


AN HONORS UNIVERSITY IN MARYLAND

UMBC's Engineering Management and Systems Engineering Information Session

REGISTER TODAY!

**Wednesday, April 14, 2010
6 - 8 p.m.
UMBC Tech Incubator**

Come to our information session and walk away with:

- **An understanding of the practical applications of our programs**
- **Tips for applying and navigating the application process**
- **One-on-one time with our faculty, staff and students**

Don't miss this opportunity!

Feature Article

Webinar (WEB-based semINAR) - noun

Short for Web-based seminar, a presentation, lecture, workshop or seminar that is transmitted over the Web. A key feature of a Webinar is its interactive elements -- the ability to give, receive and discuss information. Contrast with Webcast, in which the data transmission is one way and does not allow interaction between the presenter and the audience.

INCOSE is proud to offer a free monthly web-based service to the greater Systems Engineering community. Once a month,

UMBC

Training Centers
offers
a CSEP Prep Course

Location: UMBC Training Centers @ 1450 S. Rolling Road, Baltimore, MD 21227

[>>Register Your Interest Here<<](#)

Also check out local CSEP Exam Preparation and other Systems Engineering training opportunities at our [Education page](#)

PE ELECTRICAL INSTRUCTOR WANTED

UMBC Training Center is searching for instructors for the NCEES Principles and Practice of Engineering Examination ELECTRICAL AND COMPUTER-POWER Exam. If you or someone you know can help, this could be a great part time opportunity. Please contact [Ann Smoot, Program Coordinator](#), at 443-543-5421

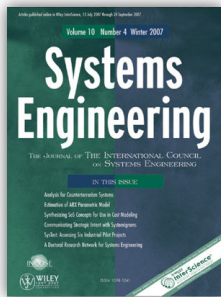
This Newsletter is to serve our members and is open to all for contributions. Do you have an interesting idea for an article? A review of a new book related to engineering? [Let us know](#). We'd love to hear about. It may wind up in a future issue of our Newsletter.

recognized experts in the field will present the "State of the Art" in Systems Engineering. These presentations will be conducted live, via the internet. Each will last for one hour, including opportunity for discussion and questions.

[READ MORE ABOUT IT HERE!](#)

[You can see past Webinars Here!](#) To access this archive requires an [INCOSE membership](#) and an [Connect account](#).

Just another great [benefit in Joining INCOSE](#).



Discover Systems Engineering

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Keep up with the latest news and events. Find out about our new Board of Directors. Explore our extensive library of previous lectures from our Monthly Dinner Meetings. Learn of the Benefits of Joining INCOSE. Check out Systems Engineering education in the local area. All this and more awaits you at our [INCOSE Chesapeake Chapter Website](#).

For any comments or suggestions about this newsletter please e-mail our [President, George Anderson](#) or our [Communications Officer, Paul Martin](#). We value your feedback.

Board of Director Officers, 2010

- President: Mr. George Anderson
- Past President: Mr. Glenn Townson
- President Elect: Mr. John Lewis
- Treasurer: Mr. Dave Griffith
- Secretary: Mr. Bob Berkovits

Directors at Large

- Communications: Mr. Paul Martin
- Programs: Mr. Donald York
- Membership Committee: Ms. Bhanumati Sunkara