



INCOSE Chesapeake Chapter

International Council on Systems Engineering

E-Newsletter

November 2011 Edition

[Back Issues](#) • [Forward to Friend](#) • [Print](#)

Wednesday, 16 November 2011

Special Joint INCOSE/PMI Dinner Meeting

Panel: Systems Engineering vs. Program Management. Is there a conflict?

Moderator: Dr. Don York, PhD, P.E., CSEP, Technical Director and Sr Systems Engineer with TASC Inc

“Differences and similarities in the roles of the Program Manager and the Systems Engineer. Who does what? Can one person do both?”



At the **UMBC Technology Center** 1450 South Rolling Road; Halethorpe, MD 21227

INCOSE Chesapeake Panelist:

- **Jim Armstrong**, CSEP, Industry Professor at Stevens Institute of Technology
- **David M. Fadeley**, PE, PMP, ESEP, Principal Systems Engineer for Henggeler Consulting
- **Stephen J. Sutton**, P.E., ESEP, Director of the Systems Engineering Program at the Institute for Systems Research at the University of Maryland



PMI Baltimore Panelist:

- **Mike Berendt**, PE, PMP, RMP, ASEP; COO for I C Data Inc; VP, Programs, PMI Baltimore Chapter
- **Rick Hammond**, PMP; Practice Manager, Business Performance Improvement, for UMBC Training Centers
- **Eric W. Perlstein**, PMP, RMP, Supports the Center of Medicare and Medicaid Services; President of the PMI - Baltimore Chapter



Buffet: Grilled Salmon; Beef Short Ribs braised in red wine; and Chicken Picatta;

[>>>Download the Meeting Flyer Here<<](#)

Please Note: Because of the limited space there will be NO free admission

In Vol.2 Issue 11

- [Joint Dinner Meeting with PMI Baltimore](#)
- [Presidents Corner](#)
- [Announcements](#)
- [INCOSE and PMI: A Strategic Alliance at All Levels](#)
- [Last Month's Meetings](#)
- [CSEP Prep Training](#)

November 2011

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

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.



The Chesapeake Chapter is always looking for volunteers to speak at our upcoming meetings! Please contact our

for the presentation only. So sign up quickly to be part of this historic event.

Dinner Cost: \$20 - By website: Credit card via PayPal, go to our >>[Registration Page](#)<<

[Return to top.](#)

Presidents Corner

The 12 Roles



On November 16, the Chesapeake Chapter of the International Conference on Systems Engineering (INCOSE) will be breaking bread with the [Baltimore chapter of the Project Management Institute \(PMI\)](#). In the following panel, three people from each organization will discuss vigorously the differences and similarities of the roles each organization fills. We expect the discussion to be entertaining. Bring your thoughts and your questions.

PMI is just one of the many organizations that overlap INCOSE. Each of the others has a different domain, technology, data, applications, lifecycle focus, architecture, and design cycle focus. The literature is full of definitions and classifications for these systems engineering roles. And there are the references in the SE Handbook (mature) and SEBoK (emerging).

One of my favorite systems engineering papers was written by Sarah Sheard. She classifies [systems engineering into twelve roles](#) (See Figure 1). How do her roles match PMI? On the surface, they match perfectly. But in practice, the PMI language is focused on *managing* and the SE literature is focusing on *doing*. So think about it. Bring your copy of Sarah's paper or the SE Handbook. You might also read some of Sarah's papers and talks. They are also in the INCOSE CC web site.

See you on Wednesday, 16 November 2011 in the UMBC Tech center!!!

Regards,
John Lewis, CC President,
john.lewis@incose.org

Role	Abbr.	Short Name
1	RO	Requirements Owner
2	SD	System Designer
3	SA	System Analyst
4	VV	Validation/Verification Engr.
5	LO	Logistics/Ops Engineer
6	G	Glue Among Subsystems
7	CI	Customer Interface
8	TM	Technical Manager
9	IM	Information Manager

2012 Programs Director, [Mr. Erik DeVito](#), if you would like the opportunity to speak or can recommend someone.

The Chesapeake Chapter of INCOSE is proud to recognize the following organizations for sponsoring our endeavors to expanding the understanding and appreciation of Systems Engineering in the local area:

Booz | Allen | Hamilton



serco
Bringing service to life



Mark your Calendars with these upcoming Chapter events:

Wednesday 7 Dec 2011 Chesapeake Chapter's Holiday Party @ Crofton Country Club,



\$45 per person. See FLYER for more info.

10	PE	Process Engineer
11	CO	Coordinator
12	CA	Classified Ads SE

Figure 1: Systems Engineering Roles

[Return to top.](#)

Announcements

[Visit our New Improved Website](#)



Check it out. Read [After Action Report](#) to all our meetings for the past two years. Read our new [Blog Section](#). Give us feed-back.

News from the Corporate Office



During our October Dinner Meeting, John Thomas, INCOSE President Elect, phoned into the meeting from overseas trip in order to discuss a proposed change to the INCOSE bylaws that is unanimously endorsed by the Board of Directors (BoD) to enable organizational changes that will establish the new positions of Sector Directors. The primary objectives of this proposal are to improve the direct influence of Chapters on governance at the level of the Board of Directors and to increase our ability to handle opportunities arising from our global growth.

[>>>Read More Details, and see John Thomas' Presentations](#)

A draft of the Guide to the Systems Engineering Body of Knowledge (SEBoK version 0.5) was released in wiki format on www.sebokwiki.org. SEBoK 0.5 is currently open to worldwide review. Please contribute!

January 18, 2012 Gesture Recognition: A Disruptive Technology?



Erik DeVito, CSEP - Acq:
Both live and video demonstrations will be presented. See FLYER for more info.

Discover Systems Engineering



Read the current issue free on-line for a limited time:

[Click Here](#)

Copyright (c) 2011 Wiley Periodicals, Inc., A Wiley Company

- A new systems engineering approach for a Socio-Critical System: A case study of claims-payment failures of Japan's insurance industry (pages 349–363)
- COIM: An object-process based method for analyzing architectures of complex, interconnected, large-scale socio-technical systems (pages 364–382)
- Executable system architecting using systems modeling language in conjunction with colored Petri nets in a model-driven systems development process (pages 383–409)
- A framework for evaluating technology readiness, system quality, and program performance of U.S. DoD acquisitions (pages 410–426)
- Project management vs. systems engineering



[Return to top.](#)

management: A practitioners' view on integrating the project and product domains (pages 427–440)

As a member of INCOSE you have online Access to the current and past issues of The Journal of Systems Engineering via the Wiley InterScience site. Search the archives and download papers of interest. Registration on the Wiley site is required. Instructions for accessing the SE Journal can be found in [INCOSE Connect](#)

With Connect you can also download INSIGHT Vol 14 Issue 3: September 2011
INCOSE's Twentieth-First Annual International Symposium



Click on image above and Log-In today.

[Return to top.](#)

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.

[Return to top.](#)

Welcome to our Newest Chapter Members

- **Thomas J. Potyraj**
Raytheon Solipsys
- **Mitchell Daniels** *BAE Systems Inc*
- **Anthony DiGiambattista**
- **Eddie Tseng** *University of Maryland at College Park*

Feature Article

INCOSE and PMI: A Strategic Alliance at All Levels

By Erik DeVito, 2012 Chapter Director of Programs

Last night I saw something that really started to get me much more excited about the upcoming [Baltimore PMI and INCOSE Chesapeake Chapter Joint Panel](#). I was navigating around the INCOSE.org website (as I normally do...I mean come on now...Who doesn't?) and ran across [an interesting news announcement](#).

The title of the announcement, released on 9 September 2011, "PMI and INCOSE Align To Help Organizations Improve Program Success" almost says it all. However, reading further into the announcement it states that at the international level PMI and INCOSE are forming a "strategic alliance that will enhance overall program success through the improved integration of practices between their professional communities" and "will solidify initiatives that support stronger integration between the two professions". The article goes on to highlight joint-initiatives that will be starting at the end of October 2011 and going into 2012. These being the release of a white paper on how PM and SE disciplines can be better aligned, a working session and a workshop at PMI's Global Congress 2011- North America in Dallas, an article series "highlighting effective integration of program management and systems engineering" and a study being published in association with MIT and their Lean Advancement Initiative (LAI).

So why does all of this have me more excited for the [Baltimore PMI and INCOSE Chesapeake Chapter Joint Panel](#) than I was before?

Well because it reinforces what I already knew. Not only can these local professional communities both claim provenance to helping the Baltimore Metro Area become and remain a vibrant center for technological advancement but they can also celebrate the fact that they are on the leading edge of an international discourse of significant importance. A discourse committed to finding a way to combine the strengths of both disciplines to bring about more successful outcomes to developing systems. Especially in an environment where programs created to develop systems are experiencing significant increases in cost, scope, scale and complexity.

[Return to top.](#)

Did You Miss Last Month?

The Power of Partitioning In Systems Architecture

Mr. Richard Taylor was enthusiastically received by an audience of over 40 systems engineers on October 19th, 2011, as he delivered a dynamic and insightful presentation on The Power of



Partitioning Systems Architecture. Mr. Taylor, a subject matter expert in systems architecture, has taught on the subject for several years in the Systems Engineering graduate program at the University of Maryland Baltimore County (UMBC).



During his presentation Mr. Taylor emphasized that partitioning choices are the most important decisions that a system architect makes and that poor partitioning choices will be difficult to overcome.

We welcome our latest new members. We look forward to seeing you at our meetings and tutorials.

[Return to top.](#)

[>>Read More Details, and Download the Presentation](#)

[Return to top.](#)

Local SE Training

Preparing for the Certified Systems Engineering Professional (CSEP) Exam

Obtaining a CSEP is not easy, but that's what makes it so valuable. You have to demonstrate your real world experience via a lengthy application and three references. Then you need to pass a two-hour, 120-question, multiple-choice exam. The courses listed below will help prepare potential candidates for this demanding process by becoming familiar with the INCOSE SE Handbook version 3.2 which is the basis for the examination.



1934 Old Gallows Road; Suite 350;
Tysons Corner, VA 22182 -
703.226.8042

Requirements Management..... Nov. 15 - 17
Advanced Project Management..... Nov. 29 - Dec. 1
CSEP PrepDec. 6 - 8

Course Outlines

Request course outlines by emailing us at inquiries@csm.com Please indicate which outline you are requesting in the e-mail header.

For more opportunities see our [Chapter's Website Education Page](#) for more information.

[Return to top.](#)



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, John Lewis](#) or our [Communications Officer, Paul Martin](#). We value your feedback.

Board of Director Officers, 2011

- President: Dr. John Lewis
- Past President: Mr. George Anderson
- President Elect: Gundars Osvalds
- Treasurer: Mr. Glenn Gillaspay
- Secretary: Mr. Bob Berkovits

Directors at Large

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

Please use the Forward email link below so we can invite your friends to join our mailing list. Thanks in advance.