



INCOSE Chesapeake Chapter

International Council on Systems Engineering

E-Newsletter

November
2012

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IMPORTANT NOTICES:

- 1) **We are in the middle of our annual election cycle.** Ballots have been sent to all members of the INCOSE Chesapeake Chapter. If you haven't received the ballot e-mail there may be many reasons. [Read more in the Announcements below.](#)
- 2) For November we're meeting a week earlier than normal (Nov 14th) due to Thanksgiving and we're meeting in a new location.(Building 200 of APL/JHU). Read the [November Dinner Meeting Announcement below.](#)
- 3) **Save the Date - 12 December 2012** for our Annual Holiday Party and Award Ceremony. [Read more below.](#)

~~ Paul B Martin, *ESEP*; INCOSE Chesapeake Communications Officer

Dinner/Lecture 14 November 2012 (6:00 – 8:00 pm) [Systems Engineering and the FIRST Robotics Competition](#)



The Robo Lions' 2012 FRC robot!

Presentation: The Robo-Lions, FIRST Robotics Competition team number 2199, are based at Liberty High School in Eldersburg, Maryland. Our goal is to inspire young people into entering careers related to science, technology, engineering, and math (STEM). To accomplish this goal, the team competes in the FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition, a competition designed to deliver hands-on STEM experience to high school students. While they started out as a humble little club in 2006, the Robo-Lions have evolved to become one of Liberty High Schools largest after-

school programs. Aside from building a robot, team members also learn life

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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.



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

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skills, such as leadership, teamwork, and critical thinking, while also having a great time. The team also maintains a strong presence in their community. One of the team's goals is to build and maintain relationships around Eldersburg, Carroll County, and the entire state of Maryland. They compete annually at the Chesapeake Regional, Maryland's largest FIRST Robotics Competition regional, where they forge strong partnerships with fellow Maryland teams and businesses.

NEW Location: [Applied Physics Laboratory, Johns Hopkins University](#); 11100 Johns Hopkins Rd Laurel MD 20723 (Main Entrance – Lobby 1)

Join us for an Early Thanksgiving Dinner: Turkey and Stuffing; Mashed Potatoes and Gravy; Green Beans and Cranberry sauce, rolls, dessert, coffee and iced tea.

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

Reservations: Purchase a ticket to this event by Credit card via PayPal, go to our [Registration Page](#)

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Presidents POV

At Least Eleven Reasons to Give Thanks



According to Wikipedia, the modern Thanksgiving holiday tradition in the United States is commonly traced to a 1621 celebration at Plymouth in present-day Massachusetts. The 1621 Plymouth feast and thanksgiving was prompted by a good harvest. George Washington, as President of the United States, proclaimed the first nation-wide thanksgiving celebration in America marking November 26, 1789,

“as a day of public thanksgiving and prayer to be observed by acknowledging with grateful hearts the many and signal favours of Almighty God”. I know it's not quite Thanksgiving Day yet but I want to take this opportunity to offer thanks. In our fast-paced world consumed with the busyness of life and technology incessantly beckoning our attention at every turn, how often do we stop just to say “thank you” to someone? So, while the Thanksgiving holiday tradition may be traced to 1621 in Plymouth, Massachusetts, my thanksgiving is traced to a meeting room where for two to three hours on the second Wednesday of each month eleven men faithfully meet to govern the affairs of one of INCOSE's most active and engaged chapters, the Chesapeake Chapter of Maryland. Thank you to our Past President, John Lewis, for his commitment and service to the Chapter. Thank you to our incoming president, Bill Ewald, for his willingness to pick up the baton of leadership. Thank you to our Secretary,

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Mark Kaczmarek, for being our diligent scribe and recorder. Thank you, Erik Devito, our Programs Director, for enriching us with professionally challenging topics and stimulating speakers. Thank you to our Treasurer, Dave Alldredge, for fastidiously managing the chapter's budget and assets. Thank you, Bob Lecorchick, our Membership Director, for those monthly welcome emails to new INCOSE members and for keeping a pulse on the health and status of our membership. Thank you, Paul Martin, our Communications Director, for the innumerable hours you've invested in generating our monthly newsletter, maintaining our website, and creating our monthly speaker flyers. Thank you, Don Gantzer, for your work with Chapter outreach. Thank you to our working group leaders Dave Fadeley, Alex Pavak and Mark Walker for being at the tip of the spear in leading our chapter professionals in the areas of Program Management and Systems Engineering, The Future of Energy and Model-based Systems Engineering. So, INCOSE Chesapeake Chapter Board of Directors, it is a pleasure serving alongside of you and I give thanks for each one of you. I encourage you to maintain your passion for the systems engineering profession, to grow your systems engineering knowledge and skill, and to continue to extend yourselves to use systems engineering to help solve today's problems and meet tomorrow's challenges.

Regards, *Dr. Don York, CC President*, donald.york@incose.org

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Announcements


Election 2012 is Under Way

We are in the middle of our annual election cycle. Ballots have been sent to all members of the INCOSE Chesapeake Chapter. If you haven't received the ballot e-mail there may be many reasons:


- 1) The e-mail could have went into your spam folder. Check it out and make sure it's not there. Subject: Official Election Ballot for 2013 Chesapeake Chapter Board of Directors
- 2) Some e-mails are being returned because of "Non-existent address." This will happen when the INCOSE records don't show you've changed companies and do not have that e-mail address any longer.
- 3) Some e-mail are being "Blocked." Most likely because of a work firewall.

So if you haven't gotten the e-mail with the Official Election Ballot for the 2013 Chesapeake Chapter Board of Directors then please contact the head of the Election Committee Chair, john.lewis@incose.org; 443-562-4945; or 240-373-4610. Provide an accurate e-mail address and we'll send you a ballot. [Read more about the process and meet the Candidates Running for the 2013 Chesapeake Chapter BoD <HERE>](#).

SAVE THE DATE: 12 Dec 2012



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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.

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It's been a wonderful year of meals, lectures and fellowship. Come celebrate with us as we recognize those who have helped us realize INCOSE's mission to push SE out into the front of the public debate. Join us for an evening of fine food and stimulating conversation with friends and colleagues. Including the presentation of the System Engineer Of the Year Award.

Location: Hilton Garden Inn; 8241 Snowden River Parkway, Columbia, Maryland, 21045

Time: 6pm - 10pm

We will have door prizes, entertainment, and a fine menu of holiday fair bound to please the most discerning palate. Dinner Cost: \$45 per person.

[Read more at our website.](#)

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Did You Miss Last Month?

[Framework for Model-based Systems Engineering](#)



Dr. Baras speaks to INCOSE Chesapeake Chapter on a new way to look at MBSE.

On Oct 17, 2012, Dr. Baras addressed a filled auditorium on the purpose and value of Model-based Systems Engineering (MBSE). He reviewed the University of Maryland Institute for Systems Research concept for and research into developing a MBSE framework that allows systems engineers to connect UML/SysML models to domain models, analysis tools, and information repositories. The hub of this framework consists of a set of domain transformations that allow information from one viewpoint (e.g., SysML) to get transformed into information usable in another viewpoint (e.g., mechanical domain model defined in Modelica or for use by an analysis or simulation tool) and then in the reverse. The framework

allows for communication and consistency among the systems engineers and the domain engineers through capabilities provided by information science and technology.

[>>>Check out the complete write-up on the event as well as Pictures and Dr. Baras' presentation>>](#)

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

Board of Director Officers, 2012

- President: Dr. Don York
- Past President: Dr. John Lewis
- President Elect: Dr. William Ewald
- Treasurer: Mr. David Alldredge
- Secretary: Mr. Mark Kaczmarek

Directors at Large

- Communications: Mr. Paul Martin
- Programs: Mr. Erik DeVito
- Membership Committee: Ms. Janet Deery

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

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