INCOSE Chesapeake Chapter
International Council on Systems Engineering

September 2014

E-Newsletter

President's Point of View
Happy Labor Day!!!

Mr. Erik DeVito - INCOSE CC President
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I want to wish everyone a Happy Labor Day!!! We all deserve a little break in the action from time to time. Especially after a long and productive summer like we've had here in Chesapeake. We just finished our summer with a bang as we held our 5th Annual SEP Dinner. As you may have heard we had a great line up speakers and VIP guests. However, the real highpoint of this event was the fact that we filled the ballroom of the Engineer's Club with ~100 guests. Be sure to check out our After Action Report which should be posted on the main page very soon. Congratulations to our 2014 ESEPs: David Alldredge, George Anderson, John Boccio, Rusty Eckman, Gundars Osvalds, and Thomas Platt. All of these "Experts" from our field received a special recognition award as part of our event program. We're proud of your achievement and thankful to you all for your efforts.

For September, Our 3rd Wednesday dinner lecture on the 17th at Johns Hopkins APL should be an interesting one. The topic is timely for sure. Tejinder S. Luthra a Global Technical Ambassador with IBM will tell how mission planners can harness the power of Big Data through advanced security, predictive and entity analytics for preemptive defense from external and internal threats. Be sure to sign up early, by registering on the website by the September 12th will save you $5.00 on the dinner. As always the lecture is free. I want to make one more note about our dinner lectures. If you aren't planning on joining us for dinner you can come attend the business meeting portion of the dinner which usually starts around 6:30PM in the cafeteria where we dine. This too is no cost and will provide additional updates regarding what happening within the Chapter. If you're a regular lecture only participant please join us for the business meeting.

Later in the month on Saturday the 27th, between 8:30 am – 12:00 pm we'll be hosting VP of Professional Services at Vitech Corporation, Zane Scott to give a tutorial titled "Putting the "Systems" Back in Systems Engineering". Zane is a longtime Chesapeake member and his goal with this tutorial to inspire the quest

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.

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The Chesapeake Chapter is always looking for volunteers to speak at our upcoming meetings! Please contact our 2014 Programs Director, Dr. Alex Pavlak, if you would like the opportunity to speak or can recommend someone.

for new thinking tools and to push the practice of systems into new fields of endeavor. His last tutorial was a real treat and from the looks of it this one will not disappoint either. This event will be held at the APL's Kossiakoff Center and the $50 registration includes a continental breakfast.

If you're interested in attending either or both of these events please register here.

Besides our great slate of events this month we'll also be wrapping up our preparations for our 2014 Chapter Board Election. If you can't make it out to our 3rd Wednesday Dinner Lecture then keep an eye out for the "Meet the Candidates" article which will be posted later this month. There you'll get a chance to learn more about our candidates' backgrounds and their vision for how they'll hope to execute their respective positions. The election will be held in October via email ballots. This is an important period for the Chapter's future. Please learn about our candidates and be sure to place your vote when the time comes.

I'm always interested to hear from our membership so please feel free to contact me by email erik.devito@incose.org

Regards.

Erik DeVito - INCOSE Chesapeake Chapter President

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17 September, 2014 (6:00 - 8:00 PM): Big Data Intelligence: 360 analytical security

Tejinder S. Luthra, Global Technical Ambassador, IBM

Presentation: Security data is used to analyze activities and metrics associated with risk management, incident detection/response, regulatory compliance, and investigations/forensics. Many of these investigations now include analysis of nontraditional data sources such as social media, customer browsing history, and business transactions. To support business requirements, manage risk, and respond to security events, CISOs collect, retain, and analyze a larger repository of data than they did in the past. Security data growth and utilization will only increase in the future. In this session, we will discuss IBM's comprehensive approach leveraging a deep portfolio of security analytics to improve situational awarene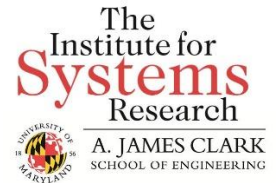ss at the federal mission level, and how mission planners can harness the power of Big Data through advanced security, predictive and entity analytics as a preemptive defense from external and internal threats.

Bio: Tejinder S Luthra is a Global Technical Ambassador at IBM, serving as a consulting Senior Big Data Technical Specialist. He also serves as a member on multiple Customer Advisory Boards representing IBM. He is certified in various database and Hadoop technologies and has authored a book on Data Lifecycle and Management. He provides Architectural Leadership and is in constant discussions with clients building models and designing solution that meet specific Business and Technical Objectives. His focus is around reference architectures for Next

Best Action, 360 degree view around customer and Data Warehouse Modernization. In the past, Tej has served as a lead in IT Operations overseeing extremely large, complex, and diverse implementations of databases and applications.

>>Check out the Event Flyer Here<<

Go to **www.incose-cc.org/registration/** to register

27 September, 2014 (8:30 - 12:00 PM): Putting the "Systems" Back in Systems Engineering

Zane Scott, Vitek Corporation

Presentation: What do a physicist turned evolutionary biologist and a couple of business professors have to say to systems engineers? Fritjof Capra, Peter Senge and Russell Ackoff all offer cogent commentary on a topic of critical importance to systems engineers in today's world- the importance and centrality of the systems view. Our heritage as an engineering discipline makes it easy to slip from the holistic view into the analytic emphasis on components. This program explores how we got here and looks anew at the need to take a "systems view." Our goal is to inspire the quest for new thinking tools and to push the practice of systems into new fields of endeavor.

BIO: The VP of Professional Services at Vitech Corporation, Zane is an experienced process analyst and teacher. He is a frequent presenter in Systems Engineering circles teaching the MBSE Fundamentals tutorial at the INCOSE IS for the last two years and delivering papers, presentations and webinars for a variety of INCOSE Chapters and other professional organizations across the country. Zane has a BA in Economics from Va Tech, a JD from the University of Tennessee and has done further graduate work in Business Administration and Counseling. A trained mediator and hostage/crisis negotiator, Zane is a member of the American Society of Training and Development, the International Association of Hostage Negotiators and the Chesapeake Chapter of INCOSE.

>>Check out the Event Flyer Here<<

Go to **www.incose-cc.org/registration/** to register

15 October, 2014 (6:00pm - 8:00pm): The Johns Hopkins University Human Systems Engineering Program

Kathy Straub, Bill Fitzpatrick, and Amy Bayes of JHUAPL

Presentation: This lecture addresses the three major components of a system: hardware, software, and humans. A total systems approach that considers all three components and the complex interactions among them has been recognized as essential by government and industry organizations responsible for system development and operation. Human systems engineering is a comprehensive program for considering the requirements and constraints of humans as part of an overall system solution. The Johns Hopkins University Engineering for Professionals (EP) Human Systems Engineering concentration trains students in the human systems integration domains and their interdependencies as well as provides additional material related to general human systems engineering. Students gain a deeper understanding of how the appropriate application of human systems engineering adds value to systems.
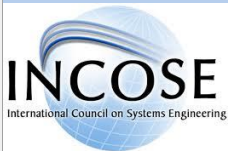
>>Look on our website for flyer!<<

Go to www.incose-cc.org/registration/ to register

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Upcoming Events and Announcements

- **September 17th** Dinner/Lecture: Big Data Intelligence: 360 analytical security
- **September 27th** Tutorial: Putting the "Systems" Back in Systems Engineering
- **October 15th** Dinner/Lecure:JHU Human Systems Engineering Program
- Interested in Jobs Networking? Look here

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, Erik R. DeVito or our Communications Director, Oren Eisner. We value your feedback.

Board of Director Officers, 2014
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Please use the Forward email link below so we can invite your friends to join our mailing list. Thanks in advance.