



INCOSE Chesapeake Chapter

International Council on Systems Engineering

INCOSE Chesapeake Chapter
P.O. Box 535
Laurel, MD 20725-0535

E-Newsletter

August 2017

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President's Point of View



Mike Pafford
President

I'd like to lead off this edition of the INCOSE Chesapeake Chapter Newsletter, with a recap of the INCOSE International Symposium 2017 (IS 2017) in Adelaide, Australia. We had 14 chapter members attended out of 627 INCOSE members.



27th annual INCOSE
international symposium
Adelaide, Australia
July 15 - 20, 2017

www.incose.org/symp2017



I won't try to include the many events our members were responsible for or attended at IS 2017, but I do want to share a few highlights. Chapter Past President Ellie Gianni, ESEP and I started our IS 2017 schedules by attending the Friday all-day INCOSE Strategy Session. Chapter member Ken Zemrowski led several of us in a breakout session, "Exploring Publications as a

Value Stream".

On Saturday, I attended an all-day workshop, "Best Practice Meets Invisible Force: Systems Engineering for Mostly-Software Systems of Systems", led by Three Rivers Chapter member Dr. Sarah Sheard.

On Sunday, I participated in another all-day workshop, "IS17 Systems Summit on Critical-Problem Definitions", led by Enchantment Chapter member Rick Dove (right) and WMA Chapter member James Martin (left).



After all the working events on Sunday, Chapter President-Elect Dr. Grace Crowder and I dropped by the informal network gathering of the new INCOSE "Empowering Women as Leaders in Systems Engineering (EWLSE)" initiative.

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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.



Monday started out early, with several of us attending the first of four daily, "Systems Thinking Roundtable", sessions, led by NORSEC Chapter member Dr. Cecilia Haskins.

The Monday Plenary session began accepting an INCOSE Founders Past President George Anderson, member Dr. Ron Luman also received an INCOSE Fellows Award. Please review the details on both honors in this issue under the Communications Corner.



with Ellie Gianni Award for Chapter ESEP. Chapter CAB



After the Plenary on Monday morning I participated in the first-ever meeting of the new INCOSE Software Systems Interface Working Group, Chaired by Dr. Sarah Sheard. On Monday afternoon, I attended a meeting of the INCOSE Critical Infrastructure Protection and Recovery (CIPR) Working Group. The meeting was led by Mr. Peter Campbell, sitting in for the CIPR-WG Co-Chair, Blues Chapter member Mike deLamare.



I finished my work on Monday by participating in an, "Agile Systems and Systems Engineering" Workshop, led by Rick Dove. My breakout group worked on the topic, "What are the organizational challenges and opportunities for transforming to a systems engineering culture".

After participating in the Tuesday Systems Thinking Roundtable session, I attended the Tuesday Plenary, where Chapter member Jim Armstrong presented the INCOSE Foundation Awards.

After a very interesting Tuesday Plenary talk on engineering aspects of the Japanese Shinkansen or, "Bullet Train", I attended a Panel Discussion, "Exploring the Frontiers of Systems Science: Establishing a Foundation for SE Practice", facilitated by WMA Chapter member James Martin.



On Tuesday Ellie Gianni, Dr. Ron Luman (right), and I participated in a status meeting, "Status of the INCOSE Academic Forum 'Systems Engineering Future Research' Project", led by Chesapeake Chapter member Larry Strawser (left).



www.incose.org/about/Membership/Join

The Chesapeake Chapter is always looking for volunteers to speak at our upcoming meetings! Please contact our Programs Director at programs@incose-cc.org if you would like the opportunity to speak or can recommend someone.





At the Wednesday morning

Plenary, 2016 Chapter President Ellie Gianni accepted from INCOSE President Alan Harding, one of only five world-wide 2016 Chapter Platinum Circle Awards. We are proud to continue our reputation for being one of the best Chapters in the world. Also at the Wednesday Plenary, several INCOSE members, including Chesapeake Chapter members Jason Sohlke and Zane Scott, were inducted into the INCOSE Institute for Technical Leadership (ITL).



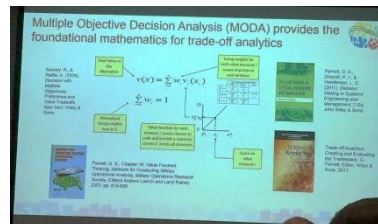
The Chesapeake Chapter of INCOSE is proud to recognize the following organizations for sponsoring our endeavors to expanding the understanding and appreciation of Systems Engineering in the local area.



The highlight on Wednesday was the INCOSE Banquet, attended by several Chapter members. The Banquet began with a program of Australian indigenous dance and music. During and after the dinner, the music became more 'current', and Chapter members took to the dance floor.



After participating in the fourth and final Systems Thinking Roundtable session on Thursday, and after another very interesting Plenary talk, I attended a session on, "Systems Engineering for Resilience", which included a Case Study using one of my favorite SE trade-off analytics methods, "Multiple Objective Decision Analysis (MODA)".



Besides the Final Plenary, the last thing I attended at IS 2017 was a Panel Discussion, "Applying SE to Healthcare".



Planning has already started in earnest for IS 2018, which will be held on 07-12 July 2018 at the Grand Hyatt Washington DC. On Tuesday afternoon, Ellie Gianni, Dr. Grace Crowder, and I participated in an IS 2018 Planning Meeting, led by New England Chapter member Nicole Hutchison. All the 'local' INCOSE Chapters (Chesapeake, WMA, and Southern Maryland) are standing by to help in any way we can. I 'tweeted' a lot during many IS 2017 events (Twitter search @mepafford and #incoseIS).





**Myra Parsons Gross, ESEP
Communications Director**

Communications Corner

In the Spotlight – Mark Kaczmarek Chesapeake Chapter Membership Director

“If you can make it, we can fake it! Simulation is our motto.”

That was what I learned the first week out of college during my full-time work at Link Flight Simulation, a division of Singer Link. My title was Software Systems Engineer. I did not realize at the time that some companies used Systems Engineers to design the system and then tossed it “over the wall” to a SW engineer to implement and code the system. Also, from what I have learned from my INCOSE exposure was the fact that I was usually working from a specification and not directly with the requirements. A group of “front-end” systems engineers set up the mainframe computers, the OS, and the computer language (typically FORTRAN). Also, the allocation of requirements and the size of the code (SLOC) and speed (60Hz or 64HZ for the frame rate) have already been determined by the time I showed up to perform my work. We followed MilStd-498, 499 and 2167A, plus one project we operated at SEI CMM Level 2. That was a lot of hard work and enjoyable as well, due to being able to “fly” the aircraft and be the pilot in command. I worked on 10 different simulators throughout my 21-year career with Link.



In 2009 that all changed when work dried up and at the time Link was owned by Raytheon. I took a transfer to the Falls Church facility. A big move since I went from one of the lowest cost of living areas in the country to one of the highest. Plus, one of the most densely populated areas in the country.

At the Falls Church facility, I worked on a UAV (Unmanned Aerial Vehicle) program for a few years and then moved into a position on an NGA (National Geospatial-Intelligence Agency) program.

I then moved onto another program with another company in 2010. Bringing me onto the north side of the Potomac, so I didn’t have to cross the river daily for work into northern Virginia. At that time, I became more involved with the Chesapeake Chapter of INCOSE. I am now with Lockheed Martin working as a Systems Engineer working on a knowledge management system.

I joined INCOSE 10 years ago and felt very comfortable since they were speaking my language from what I learned and had to work with for the time I spent in the aircraft industry with Link. Now, I am continually going back to the strict methods and rigor that was needed to run and continue forward with the waterfall style of the program flow. This helps with giving perspective to those that have a small team and quick turn-around IT style of program flow. Most have not seen some of the bigger enterprise solutions like what I worked on while at Link.

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. It may end up in a future issue of our Newsletter.



I have realized that I need to continually update my skills and I do attend most of the Chesapeake Chapter's tutorials and dinner events. Networking. Networking. Networking – key to one's career in the age of shorter contract lengths and budget shifts and cuts. As Chesapeake Chapter Membership Director I strive to keep members informed and "push" others to keep people fully employed.

I have not spent much time reading novels over the past 10 years, just focusing on the technical/professional aspects that are recommended at the tutorials, CC newsletter book reviews, and the book reviews in the INCOSE Insight quarterly magazine. And, I have stepped up by providing a book review in the Chapter's newsletter – maybe other readers of this newsletter can also submit their book reports.

Raised in Chicago area, can we say Da-Bulls! Da Bears! Da Blackhawks! And don't forget those Cubs (World Series Champs after what felt like 275 years) and White Sox. I own a Shetland Sheepdog, aka Sheltie, that is 9 years old and is full of pep and go.

Chesapeake Chapter Members receive prestigious INCOSE Awards

Two of our Chapter Members have been honored with prestigious INCOSE Awards. During the International Symposium 2017 (IS 2017) in Adelaide, Australia, Dr. Ronald Luman received the 2016 INCOSE Fellows Award and Mr. George Anderson received the 2016 INCOSE Founders Award.

Dr. Ronald Luman – 2016 INCOSE Fellows Award Recipient

Dr. Ronald Luman of the Johns Hopkins University (JHU) received the 2016 INCOSE Fellows Award. INCOSE Fellows are individuals with significant verifiable contributions to the art and practice of Systems Engineering in industry, government, or academia. This award recognizes practitioners from government and industry applying knowledge and contributing to the practice of systems engineering in designing and acquiring systems, researchers developing new knowledge, pushing the theory forward, and teachers disseminating knowledge and developing the next generation of successful systems engineers.



Dr. Luman is currently Chief of Staff at the JHU Applied Physics Laboratory, as well as the Systems Engineering Chair of the JHU Whiting School of Engineering, Engineering for Professionals Program. Dr. Luman was recognized for his significant contributions to the art and practice of systems engineering across industry, Government, and academia. Dr. Luman has over 30 years of impactful systems engineering experience in the application of new takes on systems engineering methodologies, the development of systems, analysis, and unique academic leadership positions at The Johns Hopkins University Whiting School of Engineering (WSE) and George Washington University.

What people are saying about Chesapeake Chapter:

"... What a wonderful, innovative, and impactful year for the Chesapeake Chapter. I hope you, your board, and the entire chapter is proud of what you have accomplished..."

Past President,
INCOSE



Supporting the leaders of the United States Military and U.S. Government, Dr. Luman is consulted for his strategic systems thinking skills to the application of difficult systems engineering problems requiring sophisticated solutions that are used to protect our nation and our military assets. For the past five years he has managed the strategic decision agenda, and led strategic planning, implementation, and resource alignment for the JHU Applied Physics Laboratory. Concurrently, he leads the systems engineering graduate program for the JHU Whiting School of Engineering as its Systems Engineering Chair. He also concurrently serves as a member of the National Research Council's Naval Studies Board and on other NRC committees, including those addressing the role of naval forces in the global war on terror, and the effects of climate change on national security.



Dr. Luman sets an example for systems engineers who are not self-promoting. He is a role model for practicing systems engineers and teachers who propagate the systems engineering profession. He is an exemplar and has contributed to shaping the future methodology of the systems engineering practice.

Mr. George Anderson, ESEP – 2016 INCOSE Founders Award Recipient



Mr. George Anderson, ESEP, was awarded the 2016 Founders Award by INCOSE. George's accomplishments in the field of systems engineering and his promotion of the INCOSE mission are seemingly endless. He has served INCOSE and the Chesapeake Chapter with exceptional leadership and untiring selfless service for over 15 years. INCOSE recognized George for achieving the highest goals and standards set forth by the INCOSE organization.

George has committed a significant amount of time and energy, in the form of thousands of volunteer hours to INCOSE since 2002, by facilitating an open, inviting environment where members receive valued products and services to enhance their careers. High quality, vibrant members, like George, are essential to INCOSE's drive to enrich, educate, and enlighten INCOSE membership, while improving recognition of INCOSE and the systems engineering profession.

In addition to serving two terms (6 years) as Chesapeake Chapter President, George has continually served as a mentor for new chapter officers, and supports individuals seeking certification. Under George's leadership, the Chesapeake Chapter has received recognition for achieving excellence through multiple prestigious INCOSE chapter awards. George received the 2015 INCOSE Outstanding Service Award for his significant, individual, and long-term major contributions and leadership as the chapter president that has contributed to the advancement of INCOSE, systems engineering best practices, and certification.

INCOSE
Chesapeake Chapter
International Council on Systems Engineering

Mark Kaczmarek
Membership Director, 2016

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www.incose-cc.org

mkaczmarekengr@comcast.net

Chapter Business Cards

Please contact

Mark Kaczmarek at membership@incose-cc.org to obtain your own Chesapeake Chapter business cards.

Free to Chesapeake Chapter members.



George has also spearheaded many creative and resourceful programs which continue to propagate the systems engineering profession that remain not only unique for our Chapter but are successful in promoting system engineering careers, increasing chapter membership, and the representation of certified systems engineers. He led the way in applying systems engineering principles to unique, highly complex problems encountered by the Department of Defense, and has worked to implement the successful application of systems engineering to one portion of the DoD market segment. He has recruited and then worked with the Chesapeake Chapter's newest CAB Member, NSA, to also create a methodology to train future Government Systems Engineers using INCOSE Best Practices.



George's representation of INCOSE principles and values continues to be that of a most professional and respectful supporter. He is a lifelong learner and is continuously looking for ways to make the INCOSE organization and Chesapeake Chapter the best in the world. He mentors new and up and coming volunteers to emphasize core INCOSE values, service to the organization, community, and our systems engineering profession.



Gundars Osvalds
ESEP
Programs Director

Programs Update

We are proud to host the 8th Annual Systems Engineering Professionals Recognition Gala on 18 August. We are anticipating over 100 attendees. The INCOSE Chesapeake Chapter, in collaboration with the Washington Metro Area (WMA) Chapter, will honor guests at the event who have received the prestigious INCOSE Systems Engineering Certification within the past year.

As in previous years, this event will be held at the The Engineers Club in Baltimore. Valet Parking will be available. If you missed last year's event, please review <https://youtu.be/RclKQg6rPiw> and these few photographs of the event. Don't miss this opportunity for a fine evening and celebration with our honorees.



Interested in Jobs & Networking
Contact Mark Kaczmarek
membership@incose-cc.org





Announcements and Events

Networking, Dinner, and Lectures

Chapter Meetings are held at the Johns Hopkins University Applied Physics Lab, Building 1, on the third Wednesday of each month unless otherwise noted. The meeting starts at 6pm (Dinner \$20 for Members, \$25 Non-Members, \$5 extra at the door, no charge for students) and the no-fee lecture starts at 7pm.

Board of Directors Meetings

Monthly Board of Directors (BOD) Meetings are held at the Johns Hopkins University Applied Physics Lab in Building 1, Barton Conference Room the second Wednesday of every month beginning at 6pm and ending at 8pm.

Upcoming Events

Please register for the below events at <http://www.incose-cc.org/registration> unless otherwise noted.

- **18 August, INCOSE Chesapeake Chapter 8th Annual SEP Gala** celebrates those individuals who have obtained the prestigious INCOSE Systems Engineering Professional Certification during the past year. Please join us to celebrate local INCOSE members who have earned the prestigious Systems Engineering Professional Certification (ASEP, CSEP & ESEP) at the 8th Annual SEP Gala, at The Engineers Club, Baltimore. Our speakers are Courtney Wright, CSEP Acquisition, the INCOSE Certification Program Manager, and Dr. Ronald Luman, INCOSE Fellow, and Programs Chair for the Johns Hopkins University Engineering for Professionals (EP), Whiting School of Engineering. See the poster at end of this newsletter for more information. Registration is still open.
- **19 August , SEP Study Guide Development** – Courtney Wright, CSEP, 9am-12am, Kossiakoff Center JHU/APL – RSVP to programs@incose-cc.org
- **19 August, SEP CAR Certification Application Review Training** – Courtney Wright, CSEP, 12pm-3:30pm – open to CSEP or ESEP only, Kossiakoff Center JHU/APL
- **20 September, Monthly Dinner Meeting, “Digital Engineering: MBSE Approach for DoD”, Ms. Philomena Zimmerman**, Deputy Director, Engineering Tools and Environments, Research and Engineering, Office of the Secretary of Defense, United States DoD. Through the ODASD (SE), the DoD is establishing model-based methods, processes, and tools for use in acquisition and acquisition-related activities. The use of models as a technical means of communication within the systems engineering discipline is understood; but the full potential of the models to support activities in other disciplines is not yet realized. Part of encouraging this realization lies in understanding the basic language and artifact representations as they are; and another part lies in projecting/executing a path forward to maintain a loosely-coupled community which can take advantage of others’ successes and failures.
- **18-22 September, (Monday through Friday), No Magic Training, “Applying UPDM 2 with MagicDraw”,** The Aerospace Corporation 14745 Lee Road, Chantilly, VA 20151; U0025F computer lab classroom.
- **25-29 September, (Monday through Friday), CSEP Certification Training Course,** JHU/APL, Building MP3, Room E183, 8am to 5pm. Chesapeake Chapter Members receive a 10% discount.
- **11-14 October (Wednesday through Saturday), 11th Annual INCOSE Great Lakes Regional Conference (GLRC 11),** Twin Cities, Minnesota. Information at: <http://www.incose.org/glrc11>.



- **18 October, Monthly Dinner Meeting, “Integrating Program Management and Systems Engineering”**, asked to present: Randall Liff (INCOSE), Stephen Townsend (PMI), Ken Zembrowski (INCOSE Chesapeake Chapter) and will coordinate with PMI to be held as a joint meeting.
- **30 October-02 November (Monday through Thursday), EnergyTech 2017**, Cleveland IX Center, Cleveland, Ohio. Information at: <https://www.energytech.org>.
- **15 November, Monthly Dinner Meeting, “Maryland Traffic Engineering, use of Agile by the Maryland State Highway Administration (SHA)”**.
- **6 December, INCOSE Chesapeake Chapter Holiday Party and Awards Ceremony.** *More Details to follow.*
- **5-9 February 2018 (Monday through Friday), No Magic Training, “Applying UPDM 2 with MagicDraw”**, JHU/APL, contact programs@incose-cc.org for additional information.

Special Interest

Nominations for 2018 Elections

The INCOSE Chesapeake Chapter (CC) Board of Directors (BOD) needs your assistance and is seeking candidates to fill the following positions in 2018:

- **President-Elect:** Term is 3 years (President-Elect, President, and then Past President)
- **Secretary:** Term is 2 years.
- **Programs Director:** Term is 2 years
- **Membership Director:** Term is 2 years

Please consider nominating a peer or volunteering yourself for one of these open positions. The future success of the Chapter depends on the support of its BOD and willingness of its members to step forward and support Chapter operations. The responsibilities associated with each open position follow (from the **2017 Chesapeake Chapter Operating Plan**).

Elections will take place in the Fall of 2017. If interested in any of these positions, please contact any INCOSE Chesapeake Chapter Board of Directors (BOD) Member.

President-Elect:

- Coordinate with the CC BOD to remain informed, and help with Chapter business when necessary.
- Lead CC BOD and Chapter Meetings when the President is not present.
- Assist the Membership Director on membership drives and corporate and organizational outreach.
- With the CC Communications Director, support the success of the CC Newsletter.
- Work with the President and Past President throughout the year to compile and prepare evidence for the CC submission for the INCOSE Circle Awards.
- Chair the CC Constitution and Bylaws Update Committee, and with BOD approval select its members.



Secretary:

- Prepare minutes of all CC BOD meetings.
- Prepare Final Summary Report (Annual Report) of 2017 Chapter activities.
- Maintain Chapter records (e.g., meeting minutes, records of attendance, etc.).
- Maintain an account of the names of meeting, tutorial, and workshop attendees.
- Maintain the disposition of CC Mailbox Keys. Retrieve all incoming Chapter Mail.
- Organize and display CC records in a suitable format.
- Maintain and ensure access to Chapter historical documents and records.
- Manage Chapter physical assets in the Chapter Storage Locker.
- Inventory all Chapter assets, and maintain an inventory of these items.
- Manage all administrative actions and reports.
- Support the success of the CC newsletter.
- Support the CC annual membership survey.

Programs Director:

- Plan CC dinner meetings and lectures including coordinating meeting locations and scheduling speakers in coordination with the BOD.
- Negotiate food contracts, and execute the required reservations, food service, and menu selections.
- Plan and execute all other CC special, technical, and social events and activities, unless otherwise assigned by the BOD.
- Manage the reservations and receipts of all monies for all CC events.
- Maintain meeting formats and coordinate speakers, topics, moderators, and locations.
- Coordinate joint tutorials, workshops, or dinner lectures with other technical organizations in the region.
- Plan special events (e.g., the CC Annual Holiday Party, awards and recognition programs, SEP Gala, etc.).
- Coordinate special programs with other INCOSE Chapters.
- Manage Intellectual Property Releases for speakers.
- Support the success of the CC newsletter.
- Lead the development, analysis, and reporting of the CC annual membership survey.

Membership Director:

- Serve as the CC Corporate Outreach Director.
- Direct and control the CC Membership and Outreach Committees.
- Manage all formal efforts to maintain and increase the Chapter membership.
- Maintain Chapter Membership Database.
- Provide membership records data access to the CC BOD and collaborating committees.
- Manage member special recognition programs.
- Maintain and regularly update the Chapter Welcome Automated Welcome and Member Renewal Email System.
- Work with BOD to solicit support from corporate, government, and academic sponsors for CC activities and projects.
- Oversee the INCOSE Chesapeake Chapter Ambassadors Program.
- Support increased CC membership and engagement.
- Create and maintain all electronic records of CC Membership Committee processes and activities for Chapter documentation and continuity of operations.



- For Corporate Outreach, lead any CC-supported employment efforts, and lead the organization of job search and placement summits in cooperation with other SE-related organizations.

Diversity Counts – Welcome the Systems Engineers of Tomorrow
Myra Parson Gross

Last month at our monthly networking, dinner, and lecture on “Future Directions for SysML v2” by Sanford (Sandy) Friedenthal, we had a number of JHU/APL student interns present. The students joined us for dinner and networking, gaining insight from many of the more seasoned systems engineers on hand. Conversations included discussions on the transition from academia to the work environment, career fields, and professional growth.

During the lecture, the interns were captivated as Sandy discussed the directions and approach for the next generation of SysML v2. Sandy spoke of how SysML has enabled broad recognition and increased adoption of model-based systems engineering practices across industry. He also discussed the limitations of SysML v1 and capabilities required to enable the evolving practice of Model Based Systems Engineering. The goal of SysML v2 is to increase the effectiveness of the system modeling environment and MBSE through enhanced precision, usability, and interoperability.



Jim Peters and Myra Parsons Gross, ESEP discussing professional growth with two interns



Lecture Series attendees included JHU/APL Interns

The Chesapeake Chapter recognizes the importance of fostering greater representation



of the younger generation of systems engineers. The ideas and experiences of these engineers is crucial to the evolving changes and challenges we are to face in the years to come. Students are always welcome to attend our events, and attending our monthly networking, dinner, and lecture series are a good way to connect. Students receive the full course meal at no cost, learn about relevant topics of interest, and have an opportunity to develop relationships with other people in the systems engineering profession.



Mark Kaczmarek
Membership
Director

Membership Arena

INCOSE membership is over 12,000 world-wide. The Chesapeake Chapter of INCOSE serves the systems engineering community in Baltimore and its surrounding areas. Our Chapter is very active and prides itself in the many endeavors it has undertaken. An organization such as ours relies on the willingness of its membership to put as much effort into it as they receive in return.

Chesapeake Chapter's membership Includes:

- Current membership = 324
- Certification = 137
 - ASEPs = 25
 - CSEPs = 81
 - ESEPs = 31

Learn more about the [benefits of joining INCOSE](#) and consider being part of this thriving organization and fill out an [INCOSE Membership Application](#) today!

The Chesapeake Chapter proudly welcomes our new members:

July 2017

- *Alston, Felix, Dynane*
- *Hiteshew, Brian, Northrop Grumman*

June 2017

- *Adams, Mark, SAIC*
- *James, Corrie, JHU/APL*
- *Martin, Robin*
- *Stephenson, Tenee, JHU/APL*

May 2017

- *Hanni, Robert, University of Maryland*
- *Kight, Steven*
- *Land, Peter, DOD, Systems Security Concepts*

April 2017



- *Abbott, Steve*, DOD
- *Dougan, Thomas*, Northrop Grumman
- *Evans, Paul*, Student
- *Glennan, Andrew*, Northrop Grumman
- *Marshall, James*, Northrop Grumman
- *Paulov, Michael*, AASKI Technology, Inc
- *Pierce, Cliff*, Johns Hopkins University
- *Shields, Rebecca*, Student at University of Maryland, Baltimore County

March 2017

- *Brooks, Dr. Nykia*, Johns Hopkins University
- *Cphoon, Tanya*, Student at University of Maryland, University College
- *Green-Brown, Malaika*, Cyberoo, Inc
- *Hudgins, Emily*, ASRC Federal
- *Mastalerz, Anthony*, Raytheon IIS/CSM

February 2017

- *Bjorkgren, William*, Sotera Defense Solutions, Inc.
- *Knizhnik, Jessica* - Student
- *Thomas, Kyle* - MetaTech Consulting, Inc
- *Walsh, Alexander* - Student, Penn State University

January 2017

- *Azan B*, CSEP (Associate Director)
- *Morgenstern Robert*, National Aeronautics and Space Administration (NASA)
- *Topping Gary*, Smiths Detection

December 2016

- *Bjorling Terra*, ASRC Federal
- *Cates, Noble*, CSEP - Vencore (Associate Director)
- *Raub Francesca*, Capella University

November 2016

- *Lancaster, Jay*
- *Michealson, Kirk*, Tackle Solutions, LLC
- *Baker, Robert*, Colorado State University Systems Engineering Programs

Congratulations to Newly Certified SEPs since August 2016:

-
- *Butziger, Peter*, ESEP - Vencore
- *Corey, Kyle*, CSEP - Northrop Grumman
- *Dougherty, Joseph*, ASEP
- *Flanigan, David*, CSEP - JHU/APL
- *Gianni, Benjamin*, ASEP - Loyola University Maryland
- *Giglioli, Tony*, CSEP - Booz Allen Hamilton (Chesapeake Chapter Treasurer)
- *Handy, Kristen*, CSEP - Booz Allen Hamilton
- *Harvey, Lance*, ESEP - Jacobs
- *Hershey, Robin*, ESEP - BCT, LLC



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. It may end

- *Hubbell, James, ESEP - Talon*
- *Jackson, Dustin, CSEP – Leidos*
- *Kolarik, Tammy, ASEP*
- *Lantz, Gary, CSEP - The Boeing Company*
- *Martin, Robin, ASEP*
- *Millan Figueroa, Anthony, ASEP - JHU/APL*
- *Morgan, Asia, CSEP*
- *Polacek, George, ESEP*
- *Sathi, Ram, CSEP - Northrop Grumman*
- *Scott, Vantresa, ESEP - Booz Allen Hamilton*
- *Sharkey, Janice, ASEP - Booz Allen Hamilton*
- *Starkey, James, CSEP*

up in a future issue of our Newsletter.



Job Posting

MetaTech Consulting, Inc. is seeking candidates with experience as systems engineers.

Desired skills/experience include:

- MBSE Tool (any)
- Systems Analysis
- Design Definition
- Mission Domain (SIGINT/CYBER)
- Technical Discussion/Facilitation
- Architecture Definition
- Coordination and Planning
- Validation
- Verification



Candidates with TS/SCI clearance with full scope polygraph must be identified **by 31 August**. Interested candidates should forward resumes to Catherine.Hyland@mtc-inc.us. For additional Information regarding these positions, contact Jim.Thomas@mtc-inc.us.

www.mtc-inc.us



INCOSE Chesapeake Chapter

International Council on Systems Engineering

Friends of INCOSE, Members, and Guests,

Please join us to celebrate local INCOSE members who have earned the prestigious Systems Engineering Professional Certification (ASEP, CSEP & ESEP) at the

8th Annual SEP Gala

THE ENGINEER'S CLUB
AT THE GARRETT-JACOBS MANSION

11 WEST MOUNT VERNON PLACE
BALTIMORE, MD 21201-5190

The [Garrett-Jacobs Mansion](#) is a jewel in the crown of Baltimore's most distinctive historic homes. This unique Mansion epitomizes nineteenth-century Golden Age elegance and grandeur. Check out video from past [SEP Gala](#).

Friday, August 18, 2017

Reception starts at 5:30 P.M. Dinner starts at 7:00 P.M.

To register please go to: incose-cc.org/registration/
Tickets \$50

Speakers



Dr. Ronald Luman
INCOSE Fellow
Program Chair
Systems Engineering
Johns Hopkins University
Whiting School of Engineering



Courtney Wright
INCOSE CSEP, Acq
Program Manager
INCOSE Certification Program

All Systems Engineers, friends, family, co-workers and corporate/government employer partners are invited to attend this celebration. Sponsorship is available for this event. Please contact Programs@incose-cc.org.

Best wishes,

Gundars Osvalds, ESEP
Programs Director



Learn Skills. Get Prepared. Gain Confidence. Become Recognised.



CSEP EXAM PREPARATION

FIVE DAY COURSE

September 25 - 29, 2017 @ Johns Hopkins University

CTI's CSEP Exam Preparation Course provides the perfect grounding to take the INCOSE Knowledge Examination with confidence.

On-Site Training also available.



To find out more and register today, visit:

www.certificationtraining-int.com



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