



INCOSE Chesapeake Chapter

International Council on Systems Engineering

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

E-Newsletter

June 2017

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Mike Pafford
President

President's Point of View

We're already halfway through the calendar year! I hope everyone had a relaxing and reflective Memorial Day Holiday. This month I'd like to pass along some information about organizations offering Science, Technology, Engineering, and Math (STEM) activities during summer 2017 for K-12 students.

STEMaction, Inc., recently integrated into the operations of Universities Space Research Association (USRA) (<http://stemaction.usra.edu>), is a non-profit that delivers STEM activities to K-12 students. STEMaction is by, for, and about local STEM community in Maryland.

The "DC STEM NETWORK" (<https://www.dcstemnetwork.org>) Summer Calendar (<https://www.dcstemnetwork.org/calendar>) lists several STEM-related student and adult events for summer 2017.

The National Society of Black Engineers (NSBE) (<http://www.nsbe.org>) is sponsoring summer 2017 STEM events at the University of Maryland and other locations (<http://www.nsbe.org/NSBE-Jr/External-Resources/Summer-Programs.aspx>).

The Engineering Education Service Center (<http://www.engineeringedu.com>) offers many products that support engineering education. Choosing the "Summer Camp Directory" menu item will take you to the "Engineering Summer Camps" page, where you can then choose Engineering-related events by State.

The non-profit "Science Buddies" organization (<http://www.sciencebuddies.org>) offers a detailed online listing of summer STEM-related activities for K-12 students.

The American Society for Engineering Education (ASEE) (<https://www.asee.org>) is again offering its "Science and Engineering Apprenticeship Program (SEAP)", an opportunity for students to participate in research at a Department of Navy (DoN) laboratory during the summer.

The Alexandria, Virginia PTA Council Summer Camp Directory 2017 (<http://www.acps.k12.va.us/ptac>) lists several STEM-related activities for summer 2017. The American Association for the Advancement of Science (AAAS) (<https://www.aaas.org>) continues its "STEM Volunteers" (<https://www.aaas.org/senior->

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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.



[scientists-and-engineers/programs-dc](#)), an organization of STEM professionals who volunteer in K-12 classrooms in the Washington Metro area, and includes volunteers for summer STEM-related activities.

INCOSE Americas Sector – Monthly Tag-Up

On 02 June, the new INCOSE Americas Sector Director, Tony Williams, ESEP, (anthony.williams@jacobs.com) began a new series of “Monthly Tag-Ups”; a monthly check-in with Americas Sector Officers and Leadership to discuss initiative status, upcoming events, issues, and Chapter events. More than 15 INCOSE Central, Sector, and Chapter leaders attended this first online meeting. Topics included, Introduction of the Americas Sector Director and Associate Directors, Vision and Goals, New Student Chapter news, INCOSE Office Comments, Administrative Topics, and Discussion of Issues.

The Associate Director for the USA Northeast division of the Americas Sector (the division that includes the Chesapeake Chapter) is Dr. Gina Guillaume-Joseph. During the one-hour online meeting, Tony put forth his “Three Main Priorities for building on INCOSE Goals”: Americas Stakeholder Support, Leveraging Technology as a Force Multiplier, and a U.S. National Voice advocating for Systems Engineering. In the meeting Alan Fitzmorris from the INCOSE Blues Chapter and the University of South Alabama (USA), gave a good briefing on Process & Lessons Learned for setting up a new INCOSE Student Chapter at USA. At the end of the online meeting Tony told the group he would be sending out a “Doodle Survey” (<http://doodle.com>) to gauge the best day, time, and duration for future Tag-Up meetings.

Agile Methods for the Development of Healthcare Systems 2017

On 16-17 May, Mike Pafford attended the, “Agile Methods for the Development of Healthcare Systems 2017” conference sponsored by the INCOSE Healthcare Working Group at the American Society of Anesthesiologists near Chicago, Illinois. Conference attendees included Systems Engineers, Software/Mechanical/Electrical Developers and Testers, Program Managers, Architects, Certifiers, and leaders of organizations developing complex healthcare products, from large Healthcare IT systems to medical devices that include software and hardware components. The conference focused on the application of Agile principles in practices in the development of medical systems – systems built by large teams and/or systems that include more than software.

As part of the conference theme, Mike was invited to present a 3-hour educational workshop on using Lean Startup Methods to collaboratively develop initial work items for Agile (Scrum) medical-related system solution development projects. Other talks and workshops at the conference included, “Advancing Agility in Healthcare Systems-Applying the INCOSE ASELCM Pattern”, “Transitioning from Waterfall to Agile”, and, “Challenges in Implementing Agile in a Large Healthcare Environment”. All INCOSE members can access full conference information and proceedings on the INCOSE Connect Healthcare Working Group SharePoint site.

Join
INCOSE
Today

[www.incose.org/
about/Membership/Join](http://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.





Gundars Osvalds
ESEP
Programs Director

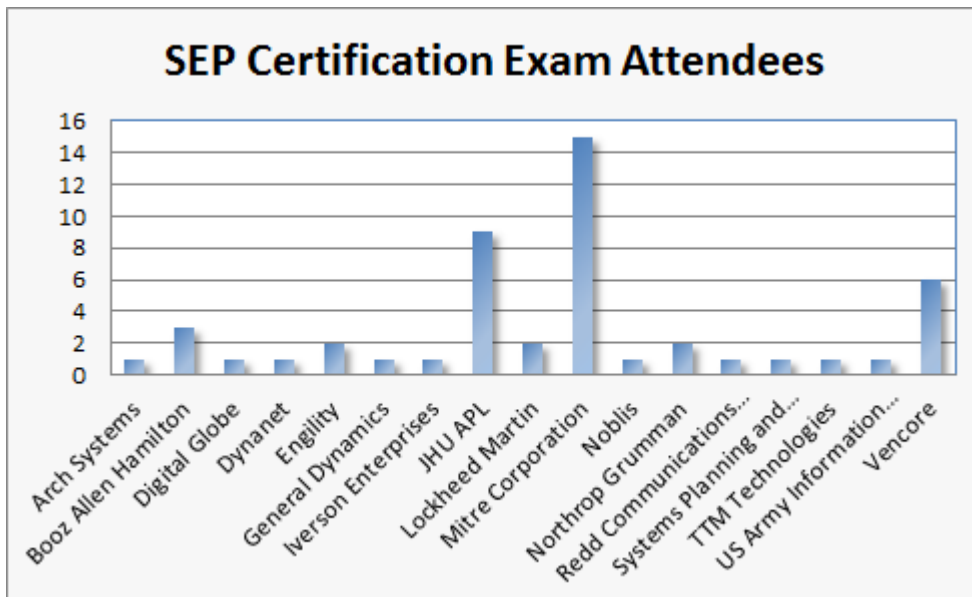
Programs Update

This month Paul Martin, ESEP will look at the context of the Systems Thinking paradigm by exploring its history and philosophy. He will explain how this new mode of thought allows engineers to understand the workings of the world better. He begins with early ancient ideas and literature on systems, moving onto modern systems scientists and ending with INCOSE’s SE Handbook and the SEBoK explanations of the Concepts, Principles and Patterns of Systems Thinking. Register for the June 21st meeting at <http://www.incose-cc.org/registration>.

At the end of this month, June 27-30, we are sponsoring a training course: “Applying UPDM 2 with Magic Draw”. Applying UPDM 2/DODAF/MODAF with MagicDraw is a 4 day course for Unified Profile for DoDAF and MODAF (UPDM 2). The course focuses on implementation of UPDM 2 using core MagicDraw functionality and the MagicDraw UPDM 2 plug-in. *NOTE: This is a changed schedule from our original posting due to schedule conflicts.* Go to our registration page <http://www.incose-cc.org/registration> for details.

Chesapeake Chapter and WMA Co-Sponsor Systems Engineering Professional (SEP) Certification Testing

On Saturday May 20th, the Chesapeake Chapter and Washington Metropolitan Area (WMA) Chapter of INCOSE hosted a paper-based SEP Certification Exam at JHU/APL. We had 65 attendees participate from across the region. One dozen volunteers worked to ensure an efficient sign-in and to serve as proctors for the exam. Thanks to Courtney Wright, the INCOSE Certification Program Manager, for supporting our efforts and administering the test.



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.





Chesapeake Chapter and WMA Volunteers supported the event (pictured left to right): George Anderson, Dr. Muhammad Islam (WMA), Mark Kaczmarek, Raji Ganesan (WMA), David Alldredge, Courtney Wright, Mike Pafford, Greg Barton (WMA), Jeff Banks (WMA), not pictured, Ellie Gianni, Myra Parsons Gross and Vantresa Scott

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), and the free lecture starts at 7pm.

Board of Directors Meetings

Monthly Board of Directors (BOD) Meetings are held at 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.

- 21 June, Monthly Dinner Meeting, “Zen and the Art of Systems Thinking”, Paul B Martin, ESEP, CTT+.** We will look at the context of the Systems Thinking paradigm by exploring its history and philosophy. Explaining how this new mode of thought allows engineers to understand the workings of the world better. Starting with early ancient ideas and literature on systems, moving on to modern systems scientists (Bertalanffy, Wiener, Churchman, Forrester, etc.), and ending with INCOSE’s SE Handbook and the SEBoK explanations of the Concepts, Principles, and Patterns of Systems Thinking. The road this talk will take is long and winding but it will illustrate

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.



the rich heritage that Systems Thinking brings to the table. The fact that this is a new way to view the world with new eyes. To be able to see the world beyond its abstract categories and definitions and to start to appreciate the wonder of a system's "wholeness."

- **27-30 June, (Tuesday through Friday), No Magic Training, "Applying UPDM 2 with Magic Draw"**, at JHU/APL, Kossiakoff Center, Laurel MD 7:30am - 5:00pm
- **17 – 20 July, INCOSE International Symposium (IS 2017):** Each year, INCOSE hosts the International Symposium as its flagship event for Systems Engineers world-wide. Keynote Speakers on topics reflecting not just Systems Engineering relevancy, but also issues with global currency are presented during this annual gathering. Panels, papers and presentations fill four days of opportunities. INCOSE's most prestigious awards are bestowed during IS. Industry, government, and academic exhibitors fill the Exhibit Hall to share information about new developments. Students display award-winning engineering projects. Mentors and mentees are introduced to each other. Social activities – formal and informal – bring people together in a highly energized and productive atmosphere. Visit the IS 2017 Website for more details: <http://www.incose.org/symp2017/home/when-where>.
- **19 July, Monthly Dinner Meeting, "Future Directions For SysML v2", Mr. Sanford (Sandy) Friedenthal.** SysML v1 was adopted in 2006, and has been a key enabler of model-based systems engineering (MBSE). Since that time, much has been learned about applying MBSE with SysML. This presentation describes the directions and approach for the next generation of SysML (v2) to provide capabilities that address the limitations of SysML v1, and enable the evolving practice of MBSE
- **18 August, INCOSE Chesapeake Chapter 8th Annual SEP Gala** celebrates those individuals who have obtained the prestigious INCOSE Systems Engineering Professional Certifications for the last year.
- **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 overcoming 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 keep a loosely coupled community which can take advantage of other's successes and failures.
- **18-22 September, (Monday through Friday), No Magic Training, "Applying UPDM 2 with Magic Draw"**, JHU/APL, Building 200, E100, Laurel MD, 8am to 5pm, to register please contact programs@incose-cc.org.
- **25-29 September, (Monday through Friday), CSEP Certification Training Course,** JHU/APL MP3 Room E183, 8am to 5pm. register at <http://www.certificationtraining-int.com/>. Chesapeake Chapter Members receive a 10% discount.
- **18 October, 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.

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



Advancing Technology
for Humanity



Communications Corner



Myra Parsons Gross, ESEP
Communications Director

Women in Systems Engineering (WISE)

Women in Systems Engineering (WISE) is a Special Interest Group (SIG) established in 2014 by the INCOSE Chesapeake Chapter to increase representation of women in systems engineering within the Chapter and INCOSE, as well as within industry, academia, and government.

The WISE SIG is dedicated to promoting greater participation of women in the systems engineering profession. The purpose of WISE is not only to increase the future leadership roles of women in the profession, but also to cultivate the next generation of women systems engineers by providing networking opportunities, sharing best practices and lessons learned, mentoring, and offering Science Technology Engineering and Math (STEM) community outreach.



Third Annual WISE and Wine Networking Event

The goals of WISE include:

- Serve as a forum for women systems engineers to form a community that offers social, technical, and outreach activities that will lead to increased participation by women in INCOSE Chesapeake Chapter activities and systems engineering as a profession.
- Increase the number of women who become chapter members and who achieve certifications as systems engineering professionals.
- Facilitate and support expanding leadership roles for women in Industry, INCOSE International, and the INCOSE Chesapeake Chapter.

Led by Cheri Jackson, Chesapeake Chapter WISE SIG Associate Director, WISE hosted its Third Annual WISE and Wine Networking Event on May 19th. This Event was attended by men and women who were interested in meeting new people and learning more about INCOSE and the Chesapeake Chapter. We welcomed Courtney Wright, CSEP, as our guest speaker. Courtney is the INCOSE Certification Program Manager. She discussed INCOSE and the benefits of Systems Engineering Certifications and certification process, including the steps to become a Certified Systems Engineering Professional (CSEP), and steps to progress from CSEP to Expert Systems Engineering Professional (ESEP).

INCOSE
Chesapeake Chapter
International Council on Systems Engineering

Mark Kaczmarek
Membership Director, 2016

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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.





We wish to thank our Sponsors for helping us make the WISE and Wine Event Successful!

WISE is planning a few other Events this year. If you are interested in volunteering, please contact us: President@Incose-cc.org

Special Interest

Book Report

Mark Kaczmarek

The Hard Truth About Soft Skills

By Peggy Klaus, 2007, 173 pages

The first time I heard about soft skills was about ten years ago at an INCOSE dinner. The speaker was talking about what was needed to be a good leader and manager. His suggestion was to study liberal arts in order to be successful at these positions. Whoa! What did he just say? I could not believe my ears.

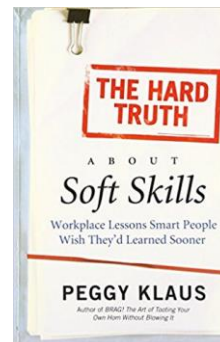
Fast forward to this past April at the Chapter dinner meeting with speaker, Teresa Armstrong, who covered the topic about soft skills for engineers. The video of this event can be found on the Chapter website. I also took the tutorial taught by the speaker the following Saturday. This book was included as part of the materials for the tutorial.

Now, what was brought up at the dinner and the tutorial was the fact that soft skills are difficult for most in the engineering ranks. We are taught to have our facts correct and be ready with reams of supporting data to present our design or trade study. I think that most people reading this review would agree with that statement. However, even with the best technical preparation, the lack of soft skills can sink you. The book points out that, "These so-called soft skills complement the hard ones, and are essential for success in the rough-and-tumble work place. You can have all the technical expertise in the world, but if you can't sell your ideas, get along with others, or turn your work in on time, you'll be going nowhere fast." The purpose of this book is to have one review and examine the items presented for themselves in order to enhance areas we need to enhance our soft skills.

The author asks the question, "Why is it so important that you take the reins when it comes to career management?"

First, gone are the days of job security.

Second, people across the board are being asked to juggle more and more assignments, often combining the responsibilities of two or three people into one job.



Interested in Jobs & Networking

Contact Mark Kaczmarek

membership@incose-cc.org



Third, those who let their careers “just happen” or expect employers to orchestrate them, will end up disappointed.

So, knowing yourself is as important as knowing how to do the job.

The book covers a wide gamut of areas in eight chapters, and it was a reasonably easy read. The hard part was looking at oneself in the mirror to ask what areas need enhancing and to be honest with one’s self to seek change. This was covered at the dinner and in the tutorial as well. Each person will get what they need for their situation. The book has many examples, stories, and “how to” to gain better perspective and solutions. The reader is not left guessing as to what to do next.

Overall, the dinner presentation, tutorial, and this book are well worth the time and effort. A final word of advice from the book is this, “Continuing to learn and improve yourself isn’t just good advice for managers. It’s good advice for everyone. No matter where you are in your career, you’re always a work in progress.”

The fact that you are reading this review is an example of *my* soft skills.

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 Mike Pafford, president@incose-cc.org, or any other current Chapter Officer or Director.

President-Elect:

- Coordinate with the CC BOD to remain informed, and help with Chapter business when necessary.
- Preside at CC Monthly Meetings and CC BOD 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:

The CC Programs Director chairs the CC Programs Permanent Committee and has the following primary responsibilities:

- Plan CC dinner meetings and lectures to include establishing 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:

The CC Membership Director chairs the CC Membership and Outreach Committees, and serves as the Chapter Corporate Outreach Director. This Director directs and controls the CC Membership and Outreach Committees, and responds to other specific direction from the CC President and the BOD. Primary general duties will include:

- 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.
- Conduct membership surveys.



- 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.



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 = 323
- Certification = 138
 - ASEPs = 23
 - CSEPs = 85
 - ESEPs = 30

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:

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
- *Daoud, Abdallah, ESEP* - Vencore
- *Dougherty, Joseph, ASEP*
- *Flanigan, David, CSEP* - JHU/APL
- *Gianni, Benjamin, ASEP* - Loyola University Maryland
- *Gigioli, Tony, CSEP* - Booz Allen Hamilton (Chesapeake Chapter Treasurer)
- *Harvey, Lance, ESEP* - Jacobs
- *Hershey, Robin, ESEP* - BCT, LLC
- *Jackson, Dustin, CSEP* - Leidos
- *Lantz, Gary, CSEP* - The Boeing Company
- *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*
- *Wright, Linnea, CSEP* - Booz Allen Hamilton





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
John 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



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 Chapter Website

www.incose-cc.org

For any comments or suggestions about this newsletter please e-mail our communications team communications@incose-cc.org. We value your feedback.

Board of Director Officers, 2017

- President: Michael Pafford
- Past President: EleanoraAnn "Ellie" Gianni, ESEP
- President-Elect: Dr. Grace Crowder
- Treasurer: Tony Giglioli, CSEP
- Secretary: Craig Tyler, ESEP
- Programs: Gundars Osvalds, ESEP
- Communications: Myra Parsons Gross, ESEP
- Membership Committee: Mark Kaczmarek

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