



INCOSE Chesapeake Chapter

International Council on Systems Engineering

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

E-Newsletter

September 2016

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President's Point of View INCOSE Chesapeake Chapter 7th Annual SEP Gala



Ellie Gianni,
President,
ESEP

The INCOSE Chesapeake Chapter hosted its 7th Annual Systems Engineering Professionals Recognition at The Engineers Club

Garrett Jacobs Mansion in Baltimore Maryland on August 24. Over 100 attendees participated in this event. The evening began with a welcome reception and cocktail hour. Tours of the Garrett Jacobs Mansion were provided by docents for the guests. Following a delicious dinner of steak and salmon, the guest speakers provided their presentations and then the new SEPs were all recognized for their accomplishments. All attendees having SEP certification received a commemorative embroidered patch showing their certification level as a gift from the Chesapeake Chapter.

New this year, Chesapeake Chapter jointly presented recognition certificates to all newly certified Associate Systems Engineering Professionals (ASEPs) in attendance at this event. Newly certified CSEPs received medallions and certificates while the newly certified Expert SEPs received certificates, medallions and shirts embroidered with the ESEP logo. The Washington Metropolitan Area (WMA) Chapter participated in the event, with Dr. Muhammad Islam presenting awards to the WMA participants. Guest speakers included Mr. Robert Gold, serves as Director of the Engineering Enterprise



Dr. Muhamad Islam, CSEP, President of WMA, presents an ASEP Certificate of Recognition to Mr. Parfait Awouvi from Northrop Grumman Corporation. Photos are available online at <http://www.incose-cc.org/photos-from-the-august-24-2016-sep-gala/>

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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.

within the Office of the Deputy Assistant Secretary of Defense for Systems Engineering (DASD (SE)) under the Assistant Secretary of Defense for Research and Engineering (ASD(R&E)), Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics (OUSD (AT&L)) and Ms. Courtney Wright, CSEP-Acq. , is the Program Manager for the INCOSE Certification Program.

Those newly certified SEPs invited to the Gala to be recognized this year included individuals who earned their certification within specific timeframes. For the Chesapeake Chapter- August 2015-August 2016, and for others new to the recognition program: January 2016-August 2016.



Rob Gold, DoD, receives an Award for Speaking at the SEP Gala from Ellie Gianni, ESEP, President, INCOSE Chesapeake Chapter.

Northrop Grumman Corp.

Mr. Ralph "Len" Morgan, ESEP,

Leidos

Mr. Anthony Oliver, CSEP

Mr. John Pacak, CSEP

Ms. Jessica Tyler, ASEP, Booz Allen Hamilton Inc.

Mr. Edward Wienckoski, ASEP, NASA

Mr. Erik Williams, ASEP, Booz Allen Hamilton Inc.

Washington Metropolitan Area (WMA) Chapter SEP Recipients

Mr. Parfait Awouvi, ASEP, Northrop Grumman Corporation

Mr. Michael Bisconti, ESEP, Requirements & Architecture

Ms. Xenia Barnes, CSEP, Federal Aviation Administration

Mr. Brian Bixby, ASEP

Mr. Daniel Canales, ASEP, Pennsylvania State University

Chesapeake Chapter SEP Recipients

Ms. Viviana Acosta, CSEP, Booz Allen Hamilton Inc.

Mr. Robert Brouwers, CSEP, Northrop Grumman Corporation

Dr. David Flanigan, ASEP, JHU APL

Mr. Michael Folk, ASEP, Northrop Grumman Corporation

Mr. Benjamin Gianni, ASEP, Loyola University Maryland

Mr. Michael Heard, CSEP, Northrop Grumman

Mr. Daniel Leeds, CSEP, Northrop Grumman Corporation

Ms. Stephanie Miskiewicz, CSEP,



Len Morgan from Leidos, receives his ESEP Certificate.



<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.



The Chesapeake Chapter of INCOSE is proud to recognize the following organizations for sponsoring our endeavors to expanding the

Mr. Paul Ellia, CSEP, US Air Force (DoD)
 Mr. Christopher Esposito, CSEP, Northrop Grumman Corporation
 Dr. Paul Fomin, CSEP
 Mr. Rajathi Ganesan, CSEP, NIST
 Mr. Brian Jones, CSEP, Northrop Grumman Corporation
 Mr. Christopher Hansen, CSEP, BAE Systems
 Mr. Rael Kopace, ASEP
 Ms. Nicole Loomis, CSEP, Booz Allen Hamilton Inc.
 Mr. Paul Mitchell, CSEP, NAVAIR
 Mr. Kevin McElroy, CSEP, Leidos
 Mr. Nick Norelli, CSEP, KEYW
 Mr. Shawn Pennington, CSEP
 Mr. John Poirier, CSEP, Booz Allen Hamilton Inc.
 Mr. Orlando Ruiz, CSEP, Northrop Grumman Corporation
 Ms. Rachel Schei, CSEP, Northrop Grumman Corporation
 Mr. Garrett Smiley, CSEP, ManTech International Corporation
 Mr. Carl Stokes, CSEP, Federal Aviation Administration (U.S.)
 Ms. Melissa Titus, CSEP

CAB-Limited SEP Recipients

Mr. Marcus Edwards, CSEP, Northrop Grumman Corporation
 Mr. Mike Hanlon, CSEP, BAE Systems
 Mr. Matthew Levert, CSEP, FAA
 Mr. Eric Schierling, CSEP, Vencore
 Mr. John Sullivan, CSEP, FAA
 Mr. Vincent Telfer, CSEP, FAA
 Mr. David Weinel, CSEP, Booz Allen Hamilton Inc.



Dr. David Flanigan, from Johns Hopkins University, receives his CSEP Recognition. Video of the Gala is available at:
<https://youtu.be/RclKQg6rPiw>

Member-at-Large SEP Recipients

Mr. Michael Bauer, CSEP, US Navy (DoD)
 Ms. Kimberly Gill, CSEP, Federal Aviation Administration

Mr. Jesse Ingram, CSEP, BAE Systems
 Mr. Bala Udayakumar, CSEP, Enterprise Business Services

The evening was a huge success thanks to the participants and our sponsors:
 The Johns Hopkins University Whiting School of Engineering Systems Engineering Program, Certification Training International (CTI), SE Scholar Northrop Grumman, Cyber Core Technologies, Jovian Concepts, Vencore and Integrity Technology Consultants (ITC).

We look forward to seeing everyone again at next year's event! Please join me in congratulating our new INCOSE SEPs in the Baltimore – Washington Region!

understanding and appreciation of Systems Engineering in the local area.



The Chapter Board Members Election Timetable, Part II



George Anderson
Past President,
ESEP

I genuinely enjoy the process of interviewing members of the chapter each year to determine their interest in serving in a chapter leadership position. Every year the nominating committee supported by all the Board members work to insure that the best candidates are encouraged to run for office. This year we are behind schedule because my wife and I stayed in Europe after attending the INCOSE International Symposium (IS) in Edinburgh and enjoyed a 15 day riverboat trip on the Rhine and Danube Rivers.¹ Our tour began in Amsterdam and ended in Budapest. I was not alone among our chapter members in traveling to Europe to the IS but arguably remained there the longest.

The impact of my holiday absence is that we must take a little more time to work with our candidates before we are ready to announce the election roster. To make things as speedy as possible, we will send out a special email to all members providing the roster along with the balloting information before the October newsletter. Please be prepared to submit your vote promptly so that we may complete the process and focus on working on our other scheduled activities. These include Dr. Eisner's tutorial, Dr. James Martin's Architectural Standards Tutorial and Membership Meeting presentation and of course the biggest and most successful Chesapeake Chapter Holiday party ever held on Dec 7.

As we talk to Chapter members about serving, I am constantly impressed with the large reservoir of experience and talent that we have in the Chapter. Part of this is reflected in the significant number of members serving on INTERNATIONAL Committees and participating in Working Groups. We also enjoy broad participation in our local outreach and educational efforts. In balance, we have an increasing number of entry and junior level members who look to the seniors who are active for direction and support. Facilitating this is one of our more challenging tasks and requires everyone to attempt some level of participation if we are to be fully successful.

In closing, I want to repeat a theme that I try to share whenever I can. That is, service in INCOSE is the best thing that can happen to you in terms of personal and career growth. Twenty percent of you have already learned that by watching our past and current BOD members as they serve. The rest probably need to hear it from someone other than me. So here it is from a consultant named Joan Garry. She is just one of many experts on Non-Profit organizations that have something important to say to you. Please take a minute to read her ten reasons to join a nonprofit board and help us maintain our chapter's outstanding record of achievement.²



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 wind up in a future issue of our Newsletter.

¹ Viking Cruises on their new river boat INGV1

² [Joan Garry: Reasons to Join a Board](#)

INCOSE Chesapeake Chapter Programs Update

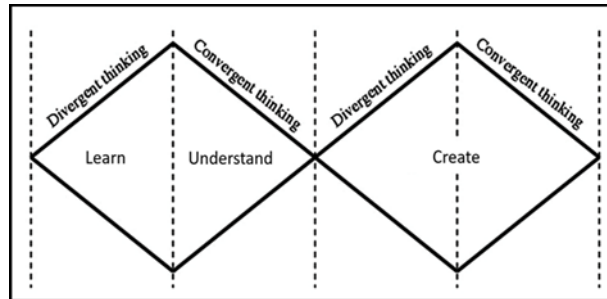


Gundars Osvalds
Programs
Director, ESEP

On August 20, 2016, the INCOSE Chesapeake Chapter hosted a day-long Tutorial on “Design Thinking” at the JHU/APL Kossiakoff Center. Design Thinking is increasingly being used by organizations to collaboratively investigate technology opportunities.

Two JHU/APL staff members (Dennis Smith and Anthony Tripoli), assisted by JHU/APL Summer

Intern William Solomon, led nine attendees in hands-on group exercises in Divergent and Convergent Thinking repeated through the three main areas of the Design Thinking Process; Learn, Understand, and Create.



Tutorial materials can be downloaded by INCOSE members from the “20Aug16 Design Thinking Tutorial” folder at the Chesapeake Chapter INCOSE Connect site.

TECHEXPO

For Experienced Technology, Cyber, Engineering & Intelligence Professionals

The September TechExpo Events on September 15 (Virginia Tysons Corner Ritz Carlton) and September 22 (BWI Marriott) are rapidly approaching. Please join the INCOSE Chesapeake Chapter BOD at these career fairs where the focus is on your career development. We are happy to answer any questions you may have relating to the merit of membership in our society as well as the opportunity we offer for continuous career expansion and growth. Please contact Mark Kaczmarek at mkaczmarekengr@comcast.net if you are interested in staffing the booth at one of the upcoming events. *CSEPs can receive PDUs for assisting the chapter.*

UPDATE: INCOSE Chesapeake Chapter has secured a booth for the September 22nd event at the BWI location. Set up starts at 9 AM and the job fair runs from 10 AM until 3 PM – lunch is included for participants. Contact Mark Kaczmarek at mkaczmarekengr@comcast.net for a time slot during the Expo.

Maryland BWI Marriott 2016 Events:

- September 22, October 12, November 16 and December 8

Virginia Tysons Corner Ritz Carlton 2016 Events:

- September 15, October 13, November 3, November 15 and December 7

Would you like the opportunity to lead one of the most successful and decorated INCOSE Chapters in history?

~

Would you like to expand your personal and professional networks across academia and industry on a global scale?

~

Would you like to contribute to the Systems Engineering profession in an impactful way?

~

Would you like the experience associated with managing and Operating a more than 324 member all volunteer non-profit 501 (c) (6) organization?

~

Then running for office on the Chesapeake Chapter Board of Directors is for you!

Open Seats for 2017 include:
President-Elect
Communications Director
Treasurer

Job descriptions are posted on our web site in our 2016 Operating Plan [here](#).

Please contact:
president@incose-cc.org if interested.



JOHNS HOPKINS
APPLIED PHYSICS LABORATORY





New York Cyber Security Summit

Wednesday, September 21, 2016 from 8:00 AM to 6:00 PM, Grand Hyatt , New York, 109 E 42nd St. New York, NY 10017.

Register at <http://cybersummitusa.com/new-york-2016/> with Promo Code INCOSE2016 to receive 50% off on a Full Summit Pass.

Los Angeles Cyber Security Summit

Thursday, October 20, 2016 from 8:00 AM to 6:00 PM, Loews Santa Monica Beach Hotel, 1700 Ocean Ave., Santa Monica, CA 90401.

Register at <http://cybersummitusa.com/los-angeles-2016/> with Promo Code INCOSE2016 to receive 50% off on a Full Summit Pass.

Checking Your RetroTech Awareness Quotient

George Anderson, Past President, ESEP

Do you have a favorite camera or old radio that you can't seem to pass on? Are there 78rpm records in your attic? If the answer to any of these items is yes you probably will enjoy reading this article about the rebirth of old technology. It happens when consumers are willing to buy items that are seen to have desirable capabilities not met by current products. Sometimes nostalgia and utility get confused when the technology is within one's life span but in either case consumer demand can be significant.

RetroTech generally refers to technologies that experience a limited restoration to production due to customer demand. The record turntable is a recent example of an obsolete system that was returned to the marketplace because of the re-introduction of vinyl records. Vacuum tubes, a casualty of the solid state takeover of modern electronics, are coming back into production and in some countries, never went out of production³. Audiophiles who insist on the last measure of precise sound reproduction are at the forefront of this demand. Further fueling the demand for vacuum tubes is the emerging concern for building industrial control systems that are less vulnerable to electromagnetic pulses caused by solar storms as well as major inductive pulses caused by malfunctions or damage to the power grids.



\$300

Some of the retro tech that may be lower on the public consciousness includes:

- Edison light bulbs for decorator applications
- Fountain Pens
- Dot Matrix Printers
- Non-smart cell phones
- Mass production of black powder muzzle-loading rifles
- Home brew root beer using natural flavors
- Consumer priced mass production mechanical watches



Take INCOSE Certified Systems Engineering Professional ASEP and CSEP Exam for FREE

This October, INCOSE WMA is offering a **FREE** paper based Systems Engineering Professional examination session proctored directly by the INCOSE Certification Administration. The exam will fulfill the knowledge testing requirements for INCOSE CSEP (Certified Systems Engineering Professional) and ASEP (Associate Systems Engineering Professional) credentials. After passing the exam, you can apply for CSEP or ASEP certification based on your level of education and professional experience. There are a limited number of seats available for this exam session.

Exam Event Details

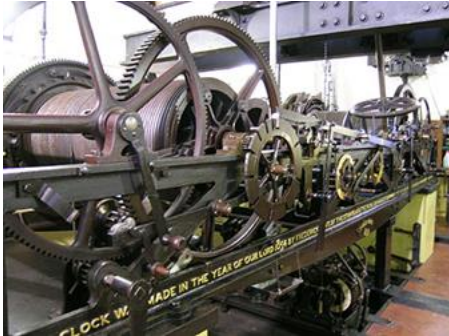
When: Saturday, October 29th

Exam Time: 10:00 am - 12:00 pm (Arrive by 9:30 am)

Where: George Mason University - Main Campus,

³ <http://www.enjoythemusic.com/magazine/manufacture/0609/>

- Electric battery operated automobiles
- Hybrid automobiles (first invented by Ferdinand Porsche in 1901⁴)
- Mechanical Typewriters
- Specialized slide rules
- Four Track Reel to Reel Tape Recorders



Big Ben Clockwork



The Lohner-Porsche Mixte Hybrid

There are also obsolete technologies that have been continuously supported, and while out of serial production, will be supported with period technology (tools and skills) into the foreseeable future. Consider the following:

- Tower Clockworks such as Big Ben in London's Houses of Parliament or in the many cathedrals of Europe
- Blacksmithing to include Farriers
- Basket Weaving and related products from natural fibers
- Pipe organs using air blown through banks of tuned copper and brass pipes
- Musical instruments that create sounds not easily duplicated by multi-voiced electronic counterparts
- Large Cast Bells

My own memorable experience with RetroTech involves the now defunct Index Research Deck. This was a technology affectionately termed the "knitting needle computer" in the 1960's by those who most likely discovered the product while reading the Whole Earth Catalog like I did. The technology was originally invented and used in 1896 and consisted of 5 by 8 paper cards with holes punched at regular intervals along all four edges, and extending a short distance in from the edges. The center of the card had space for information to be written. To create a data base record, the paper between a hole and the nearest edge was removed by a special notching tool. A 1960's era card deck with the notching tool is shown in the adjacent figure. In operation, data was retrieved by passing the needles through specific holes in the card deck that would correspond to searches on a specific data table or field. Multiple passes could be used to retrieve subsets or specific data items. The system was a success with librarians, health records professionals, and especially students working on thesis or dissertations.

I used a deck to document all of my master's thesis research and was able to promptly document specific answers to questions during my formal defense of the thesis to the

Fairfax, Virginia (Building and Room Number will be announced before exam)
ID Requirements: Bring a government issued unexpired ID matching your name in the application
 To register, please fill out the initial [application \(here\)](#) and send to president@incosewma.org by Friday, September 9th.

Notes:

1. The form link above is for INCOSE WMA sponsored October paper based exam registration only. Once passed, full application for ASEP or CSEP needs to be submitted with appropriate certification fees.
2. The exam is FREE for both INCOSE members and non-members. In order to apply for the certification after passing the examination, your membership must be current.



⁴ https://en.wikipedia.org/wiki/Ferdinand_Porsche



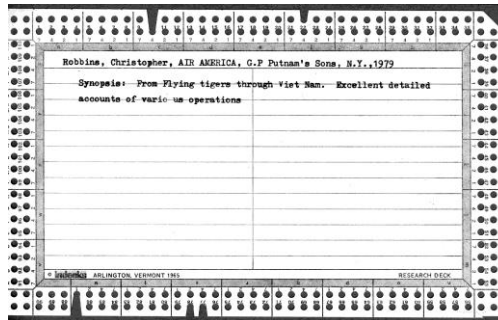
The index System circa 1965

enabled a large number of unique queries using binary or similar coding . For those who wish to see more details including the programming and search instructions, please click the following hyperlink: [Click to see the INDECKS System Details!](#)

I hope that I have raised your awareness if not interest in this engaging subject of RetroTech. If anyone wishes to share relevant experiences or knowledge in a future article, we will consider publishing it.

faculty. At the time, there was no computing alternative.

Today it is interesting to compare the Knitting Needle Computer with modern data base approaches and realize how entity diagrams and data keys could be "programmed" into the card decks. The hole configuration also



Data card showing holes and cutouts



What people are saying about Chesapeake Chapter in 2015:

"... 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

Women in Systems Engineering (WISE) August 31 Systems Engineering Event A STEM Life: Chronicle of a STEM Professional and Entrepreneur

The NFL Network features a documentary series called 'A Football Life' that showcases the lives of select National Football League players, coaches, owners, and teams. On August 31, WISE provided a STEM Life seminar, where Dr. Afi Harrington chronicled her professional career as a mathematician and entrepreneur. She highlighted key highlights on her journey from doctoral student to government employee, consultant, and entrepreneur. Dr. Harrington discussed valuable lessons, including the importance of building networks and nurturing relationships. Dr. Harrington shared a number of personal experiences, insights to succeeding in a STEM career, becoming an entrepreneur, and generally allowing oneself to evolve.

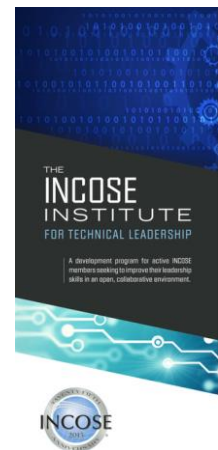


Dr. Afi D. Harrington

The WISE Systems Engineering event was held at the Scitor facility in Annapolis Junction, Maryland. The Chesapeake Chapter of INCOSE wishes to thank Scitor for sponsoring this event.

Interested in Sponsoring this Event or future WISE Events?
Please contact WISE_Events@INCOSE-cc.org

WISE is an International Council on Systems Engineering INCOSE Chesapeake Chapter Special Interest Group dedicated to increasing the participation of women in systems engineering and cultivating the next generation of women systems engineers by



Booz | Allen | Hamilton

providing networking opportunities, sharing best practices and lessons learned, mentoring, and offering STEM community outreach.

The Professional's Book Review Series

George Anderson, Past President, ESEP

The August 17, 2016 Membership Meeting speakers were Anthony Tripoli and Dennis Smith, Johns Hopkins University. Their presentation title was: Learn the Tools and Methods of Design Thinking That Will Turn Your Organization Into an Innovation Powerhouse. I won the Book Drawing and took home the title.

Creative Confidence-Unleashing the Creative Potential Within Us All

by Tom Kelley & David Kelley

Published 2013: Crown Business/Random House, New York
288 pages

This is a book with a mission to convince the reader that everyone can be creative in the workplace. I started to read this book expecting another self-help book heavy on platitudes⁵ and low on actual substance. Well, I was wrong. Surely the book provides some platitude-like language but it more than delivers on actionable information that you can use to change your view of the creative process and motivate you to participate.

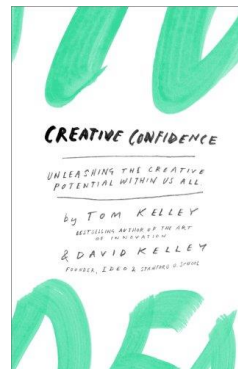
The authors' credentials are up to the task given their own creative journey that began at the Stanford Research Center and led to the launching of the prestigious design and innovation firm, IDEO.

The book's content is presented in 8 chapters whose titles serve as an excellent outline of the contents:

1. FLIP, From Design thinking to Creative Confidence
2. DARE, From Fear to Courage
3. Spark, From Blank Page to Insight
4. Leap, From Planning to Action
5. From Duty to Passion
6. Team, Creatively Confident Groups
7. MOVE, Creative Confidence to Go
8. NEXT, Embrace Creative Confidence

If these headers fail to motivate, consider watching a TED talk by co-author, David Kelly. Creativity is a crusade with them and given their book sales, they have markedly changed the way many people approach their work.

How did it affect me? After reading just a few chapters, I enrolled in our JHU speaker's 6 hour Saturday tutorial for a hands-on team exercise in creativity.



Free Webinar

The UMBC Training Center will be hosting a free Webinar on September 7th called, "Understanding the INCOSE Certification Process." It also is the introductory class for the INCOSE SEP Certification Exam Prep Bootcamp that will to be held at the UMBC-TC facilities on October 19-21. Paul Martin, ESEP, one of our Chapter Members who also works with UMBC as an Adjunct Professor, will be speaking and fielding questions, so feel free to join us! UMBC-TC will be promoting this on social platforms as well, so keep an eye out and support posts as they come up. For more information go to:

<http://info.umbctraining.com/webinar-incose>. Please

register now to reserve your spot and to receive an e-mail reminder. You can join us without registering. Just use this Blackboard link:

<https://us.bbcollab.com/collab/ui/session/guest/E6E2ACE2C60B0C8E3AF07FA69A778C67> on September 7th at 7pm.

Remember, if you are interested in taking the October [INCOSE SEP Certification Exam Prep Bootcamp](#) - use the code: INCOSE15 in order to get a 15% discount.



⁵ a statement that expresses an idea that is not new or is banal, trite, or stale remark-. Merriam Webster Dictionary

This is the real thing. You can move from intellectual chaos to physical prototypes following a guided process of thinking, collaboration, inspiration and hands on building.

It is amazing what you can create with hot glue, Styrofoam, pipe cleaners and wooden tongue depressors.

I think most of the attendees left secretly dreaming of a trip to the internet crowd funding site to launch their idea.

So there it is. Reading this book will very likely transform you in some way. And, if you are lucky enough to attend one of our future creativity workshops taught by the experts, Tripoli and Smith, you may even find yourself meeting others who have already discovered this new path to personal achievement.



Creativity Happens, Kossiakoff Center, August 20, 2016

Events and Announcements

Scheduled Chapter Meetings and Monthly Dinner Lectures take place at the Johns Hopkins University Applied Physics Lab (JHU/APL) in the Building 1 Cafeteria and Parsons Auditorium and are held on the third Wednesday of each month unless otherwise noted. 6 pm for Dinner Meeting (\$20 in advance / \$25 at door). 7 pm for Lecture (Free).

- **September 7** – 7 pm. * **FREE** * Webinar hosted by the UMBC Training Center called, "**Understanding the INCOSE Certification Process.**" For more information go to: <http://info.umbctraining.com/webinar-incose>. Please register now to reserve your spot and to receive an e-mail reminder.
- **September 9** – Registration closes for * **FREE** * CSEP and ASEP Examination to be held on October 29 at George Mason University (details below). To register, please fill out the initial application ([here](#)) and send to president@incosewma.org by Friday, September 9th.
- **September 19** – 5 pm – 6 pm. * **FREE** * **WISE Systems Engineering Event - TOPIC:** An Overview of INCOSE Systems Engineering Professional (SEP) Certification. **SPEAKER:** Ms. Courtney Wright, CSEP-Acq., Program Manager INCOSE Certification. Location is SCITOR Corporation, 302 Sentinel Drive, Annapolis Junction, MD. Ms. Wright will



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give an overview of the INCOSE Certification Program, explaining how it has grown and is expected to continue to grow. She will discuss the process for individuals getting certified, and the benefits of obtaining a certification. She will briefly discuss the changes the program will see in the next few years as it increasingly expands to a broader audience. RSVP to WISE_President@incose-cc.org; Myra Gross - 443.699.2783. See the flyer here: [2016 WISE Guest Speaker Ms. Courtney Wright 19 Sept 2016 Final](#)

- **September 21** – 6 pm Dinner Meeting & 7 pm Lecture. Leonard Levine, Defense Information Systems Agency (DISA), **“DoD Perspective on UAF Data Models”**
- **October 19** – 6 pm Dinner Meeting & 7 pm Lecture, James Martin, **“New ISO 42020 Standard for Architecture Processes”**. [*The next draft of this Standard will be out in September for comments that are due at the end of October. Please contact Ellie Gianni at <mailto:egianni@verizon.net>.*]
- **November 16** – 6 pm Dinner Meeting & 7 pm Lecture. **“SE Standards Update”**, Ken Zemrowski.

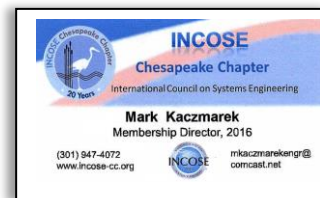
Other Events (Workshops, Tutorials, Symposiums, Galas)

- **September 24, Saturday** – 9 am – 12 pm, **“Beyond Thinking Outside the Box, For Entrepreneurs and Systems Engineers”**, Dr. Howard Eisner, Cost \$50. (3 PDUs)
- **October 18 – 19, Tuesday and Wednesday**, James Martin, **“Systems Thinking Workshop”** 8 am – 4:30 pm, JHU/APL at MP6, 7651 Montpelier Road, Room N111, Laurel, MD 20723. Cost: \$550 (16 PDUs)
- **October 29, Saturday**, FREE paper based Systems Engineering Professional examination session proctored directly by the INCOSE Certification Administration. When: Saturday, October 29th, Exam Time: 10:00 am - 12:00 pm (Arrive by 9:30 am); Where: George Mason University - Main Campus, Fairfax, Virginia (Building and Room Number will be announced before exam); ID Requirements: Bring a government issued unexpired ID matching your name in the application. To register, please fill out the initial application and send to president@incosewma.org by Friday, September 9th. <http://www.incose.org/docs/default-source/certification/application-for-asep-certification-form-1a.pdf?sfvrsn=2>
- **December 7th** – **Chesapeake Chapter Holiday Party, Awards Ceremony & Silent Auction** to benefit the INCOSE Foundation and the Chapter Scholarship Fund. Cost: \$50
- **December 14th** – **Chesapeake Chapter Board of Directors Meeting**, Kings Contrivance Restaurant

Announcement: The PMI Baltimore Chapter is scheduling its "PMI Lunch Event Talks" for 2017, and the INCOSE Chesapeake Chapter has been invited back to speak on a Systems Engineering (SE) subject relevant to PMI Program and Project Managers. The PMI Chapter holds these one-hour lunch-time events on the 4th Monday of each month. The only months already scheduled in 2017 are February and October. If any Chapter member has a PMI-relevant SE subject they'd like to present, please contact the Chapter Programs Director Gundars Osvalds, programs@incose-cc.org, or any other Chapter Board member to discuss your proposed topic.

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.



Interested in Jobs & Networking

Contact Mark Kaczmarek at m.kaczmarek@comcast.net Or attend one of the Tech Expo Events in our area: <https://www.techexpousa.com/>



Save the Date to Join Us!

INCOSE Chesapeake Chapter Holiday Party, Awards Dinner & Silent Auction

Auction Proceeds Benefit the INCOSE Foundation Scholarship Fund

Wednesday, December 7, 2016

From 6 PM til 10 PM

The Engineers Club, Garrett Jacobs Mansion

11 W Mt Vernon Place, Baltimore, MD 21201

Registration Opens in October at www.incose-cc.org



New This Year ... A Silent Auction
to Benefit The INCOSE Foundation & Chesapeake Chapter
Scholarship Fund.

Donations and Sponsors for Silent Auction are Needed!

Contact: Ellie Gianni, president@incose-cc.org or
Gundars Osvalds, programs@incose-cc.org

Here's how you can help! Donate items for the Silent Auction. These can include: Artwork, Tickets to Sporting Events and Concerts or Plays, Sports Memorabilia, Collectables, & Themed Baskets (As Seen on TV, Spa Day, Edinburgh Scotland, Torrance California, Outdoorsman, Everything Italian, Games and Puzzles, Date Night, The Entertainer, Grillin and Chillin, and more!)



Membership Arena

Mark Kaczmarek, Membership

The Chesapeake Chapter proudly welcomes our new members:

August 2016

- Jordan Matthews, Johns Hopkins University Applied Physics Lab
- Dr Edwin Shuman, The MITRE Corporation
- Stephen Hollock
- Diahann Butler, Raytheon Corporation
- Arturo Davila-Andino, University of Maryland
- Edward Rodriguez, Booz Allen Hamilton Inc.

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- Charles Manto, Instant Access Networks, LLC
- Alexander Wachsmann, Northrop Grumman Corporation
- Dr George Palacek, DOD
- Hussein Karachiwalla, DOD
- James Johnson
- Edwin Marston
- Robert Kambic, Johns Hopkins University
- Mark Potter, Strategic Health Solutions, LLC
- Keith Willett, Stevens Institute of Technology



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For any comments or suggestions about this newsletter please e-mail our [Editor, B. Azan](mailto:Editor,B.Azan) or our Communications Director, Pat Williams. We value your feedback.

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