



INCOSE Chesapeake Chapter

International Council on Systems Engineering

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

E-Newsletter

May 2017

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Mike Pafford
President

President's Point of View

This month I'd like to talk about several 2017 initiatives that the INCOSE Chesapeake Chapter, and Chapter-sponsored Object-Oriented Systems Engineering Method (OOSEM) Working Group, have contributed to and are currently coordinating with other INCOSE Chapters and Working Groups.

At the INCOSE 2017 International Workshop (IW 2017) I sat in on several working sessions of the INCOSE Requirements Working Group (RWG) and gave direct inputs to the RWG Draft Proposed INCOSE Technical Product, "Integrated Data as the Foundation of Systems Engineering".

At IW 2017 I also sat down with Mike Celentano, the new INCOSE Lead for Technical Operations, to talk about possibly starting a new INCOSE Software-Intensive Systems Engineering Working Group. Coincidentally, soon after IW 2017 ended, Mike also received an email from Dr. Sarah Sheard, CMU Software Engineering Institute, proposing the same thing. Since then I have continued in coordination with Dr. Sheard on drafting a Charter for this new Working Group, using the INCOSE Charter Template Mike emailed to us. More information coming soon.

On March 18th, Chapter member Michelle Douglass-Butler, CSEP, and I were invited to be Presenters at the SUCCESS! STEM + the Arts (STEAM) Conference for Middle and High School Students, Teachers, and Parents in Bristow, Virginia. Before the Conference Michelle and I worked with Dr. Susan Gabriele of the INCOSE Systems Science Working Group, to tailor two Adult and Student Systems Thinking Roundtable Guides. Each of the guides was based on Systems Thinking Guides that Dr. Gabriele developed for daily "Facilitated Brainstorming" sessions at IW 2017. Michelle and I used the guides to conduct five Systems Thinking sessions at the SUCCESS! Conference.

The Chesapeake Chapter has been active in highlighting, via its Newsletter, Constant Contact® broadcast emails, and Social Media sites, the upcoming INCOSE Texas Gulf Coast Chapter (TGCC) one-day symposium, "Systems Engineering in Aerospace and Oil & Gas: Opportunities for Collaboration" to be held on May 5th in Houston, Texas.

The Chesapeake-sponsored OOSEM Working Group had a general report on the Working Group published in the 2017 Q2 edition of the INCOSE Enchantment Chapter newsletter, "The Enchanted View – Thinking About Systems". A reciprocal article on the

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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.



Enchantment-sponsored Agile Systems & Systems Engineering Working Group has been published in this Chesapeake Chapter May Newsletter.

I have been invited to present a half-day Tutorial, "Systems Engineers Using Lean Methods for Initial Planning of Agile Projects", at the third INCOSE conference on Agile Methods for the Development of Healthcare Systems being sponsored by the INCOSE Healthcare Working Group on May 16th and 17th in Chicago, Illinois.

The Chesapeake Chapter is working with the Washington Metropolitan Area (WMA) Chapter to co-sponsor at the Johns Hopkins University Applied Physics Laboratory (JHU/APL) on Saturday May 20th, an INCOSE Systems Engineering Professionals (SEP) Certification Exam that will be open to INCOSE Members and Non-Members—at No Cost for attendees. This will be the second time the two Chapters have worked together with Courtney Wright, CSEP, the INCOSE SEP Certification Program Manager, to offer this SEP Exam. Registration information is on the Chapter Website.

On May 26th I will be presenting a one-hour Webinar, "Lean Startup Methods to Collaboratively Develop Initial Work Items for SoS Component System Agile Development", as part of the INCOSE Systems of Systems (SoS) Working Group Webinar Series on Systems of Systems.

I am working with Karl Geist, INCOSE Southern Maryland (SOMD) Chapter, in his capacity as INCOSE Defense Systems Working Group (DSWG) Chairman, on an initiative to help the DSWG highlight and offer advocacy on Department of Defense (DoD) Software-Intensive System Solutions. More information on this as the initiative develops.


Very preliminary coordination has started on the Chesapeake Chapter possibly working with the WMA Chapter to support the INCOSE Hampton Roads Area (HRA) Chapter in planning and conducting its INCOSE HRA – NASA Systems Engineering Technical Excellence Committee (SETEC) Joint Conference in October. More information will be provided on this as coordination starts to shape up.



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.





**Chesapeake Chapter Presents
Science, Technology, Engineering and Math
(STEM) Scholarships**

Deadline Extended to May 31, 2017

<p>\$5,000.00 for Chapter Member or Immediate Family Member</p> <p>\$1,000.00 Open Scholarship</p> <p>Students enrolled in STEM related courses at any college.</p>	<p>Download and complete the Application Package, and email the package (including unofficial transcripts and resume) to:</p> <p style="text-align: center;">president@incose-cc.org <i>Awards announced in June</i></p>
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See Any Chapter Board Member for Details or Visit our Website

Visit www.incose-cc.org/2017-stem-scholarships/ for more information.



Gundars Osvalds
ESEP
Programs Director

Programs Update

During our April 19th monthly meeting lecture Ms. Teresa Armstrong infused us with ideas and concepts on how we should interact with others in performing our work. The attendees interacted with Teresa by providing their opinions on some of the basic concepts infusing “Soft Skills” in their efforts in executing their professional activities. Furthermore, Teresa introduced the concept of “derailers” which prevent us from performing our duties. In case you missed her presentation, search “INCOSE Chesapeake: for all presentations INCOSE Chesapeake Live Stream - Leadership Derailment & Lessons

for Staying on Track”, or, click on <https://youtu.be/ourAiTwhG3Y> to view this session which includes the interaction between Teresa and the attendees.

We will host a 5-day training session, June -26-30, on the application of the SysML modeling language to the updated DoDAF 2 architecture models with the use of UPDM 2. This course will be given by a trainer from No Magic on their MagicDraw modeling tool. Over 40 models will be described, and attendees will have hands-on experience with professional guidance.



Due to interest, we are also hosting another 5-day training session to support those interested in pursuing Systems Engineering Professional Certification. This training will prepare attendees who are ready for the ASEP and CSEP Certification Exam. More details are provided in the Upcoming Events section below and on our website incose-cc.org.



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.



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. Please complete your registration at incose-cc.org/registration.

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.

Communications Committee Meetings

Communications Committee Meetings are held the first Wednesday of every month beginning at 6:30pm and ending at 7:30pm. Please contact the Communications Director for more details: communications@incose-cc.org.



Upcoming Events

- **17 May, Monthly Dinner Meeting, “A Systems View of Whole-Enterprise Enterprise Architecture”, Marc Gewertz**, There is much confusion across business, government and non-profit organizations as to exactly what the differences are between the business practices of Enterprise Architecture, Business Architecture, and IT Architecture, as there is much overlap of interests and many differences in terminology between architects, managers, and executives, especially when their activities are coupled with external organizations, customers, and stakeholders with different interests and needs; a common working environment in today's marketplace. Through the lens of a systems perspective of an enterprise in a start-up environment, the basic and fundamental capabilities are systematically differentiated and defined, including the roles and responsibilities for architecting and managing each capability.
- **19 May, INCOSE Chesapeake Chapter Women in Systems Engineering (WISE), 3rd Annual WISE and Wine Networking Event**, Corporate Sponsored Event, Open for Members and Non-Members, women and men, JHU/APL Kossiakoff Center, 6pm-8pm. More details and registration: incose-cc.org/registration.
- **20 May, INCOSE Systems Engineering Professional (SEP) Certification Exam**, Hosted by Chesapeake and Washington Metropolitan Area (WMA) Chapters at the JHU/APL, Kossiakoff Center, Laurel, MD, Saturday, 9:30am -11:30am. Please arrive by 9:00am. Volunteers are still needed. More details and instructions on how to register for this exam are available at: incose-cc.org/registration.
- **26-30 June, No Magic Training, “Applying UPDM 2 with Magic Draw”**, at JHU/APL, Kossiakoff Center, Laurel MD. 7:30am - 3:30pm, Register at: incose-cc.org/registration.
- **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 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.”
- **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: incose.org/symp2017/home/when-where.

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.



- **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.** *More Details to follow.*
- **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 Department of Defense , 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, 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 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





Systems Engineering Professional (SEP) Certification Exam

The Chesapeake and WMA Chapters are pleased to offer the Systems Engineering Professional Certification Exam at the Johns Hopkins University Applied Physics Laboratory, Kossiakoff Center in Laurel Maryland. INCOSE Certification Program Manager, Ms. Courtney Wright, will be present to administer this exam. This Exam is offered at no cost to registrants and will be held on Saturday, May 20th from 9:30am - 11:30am. Please arrive by 9:00am. The test is open to INCOSE members and non-members. Visit incose-cc.org for more information and to pre-register for the exam. NOTE: After passing the exam, you must submit your complete CSEP or CSEP application package along with the required fees and references, and join INCOSE to complete your application for Certification. ESEP volunteers are still needed to proctor this exam, and chapter volunteers are needed to support set-up and sign-in. Please contact programs@incose-cc.org or past-president@incose-cc.org to volunteer today!






Myra Parsons Gross, ESEP
Communications Director

In the Spotlight Tony Gigioli, CSEP, Treasurer/Past President

Tony Gigioli, CSEP, is a golfer, a fisherman, a family man, and a retired Naval Officer. His professional life began in May 1980 when he was commissioned an Ensign (O-1) in the Navy after completing his Bachelor's Degree in Mathematics, and four years of Navy Reserve Officer Training Corps (NROTC) at the University of South Carolina, Columbia, SC. He served honorably as a Surface Warfare Officer in the U.S. Navy for 15 and a half years, but earned a retirement when the President (Bill Clinton) decided that there were too many ships in the peace time Navy and the Navy had to reduce their number of midgrade officers. He retired as a Lieutenant Commander in November 1995.

After leaving the Navy, Tony became a federal contractor supporting the Space and Naval Warfare Systems Command (SPAWAR) as a C4ISR Systems Engineer in Crystal City, VA. With a growing family, three daughters and a son and another child on the way, Tony decided to go back to school to obtain a Master's degree. While working full time in Crystal City, he enrolled in George Washington University's Master of Engineering Management (MEM) degree program as a part time student at GWU's Alexandria Graduate Education Center. He achieved his MEM in May 1998. Once the degree was achieved, it became apparent that the best way to increase his earning ability was to find a new job with increased responsibilities that leveraged his new degree. He took a job with Litton TASC in Chantilly, VA and began supporting the Intelligence Community in Northern Virginia.



Tony Gigioli, CSEP
Treasurer

However, since he lived in Germantown, MD at the time, the daily commute to and from work (42 miles one way) started to take a toll on his quality of life and, after he fell asleep at the wheel one morning on the way to work and narrowly avoided serious injury, he decided to look for work closer to home. The search brought Tony to the Central Maryland area where he has supported the Fort Meade IC customer since July 1999. He moved his family to Howard County in 2000 and, by this time his family was complete, with three daughters and three sons, all born between May 1988 and January 1999. In 2004, at the invitation of a friend and coworker, he helped start-up a small Systems Engineering company called i2S (DBA Ideas to Solutions). From April 2004 to August 2009 he and his business partner grew i2S from two people to one hundred and twenty people.



Tony Gigioli, CSEP
The Fisherman

Throughout that five-year period Tony had served as the Chief Technology Officer and the Director of Systems Engineering. In August 2009 they sold the company to the Camber Corporation. Tony continued to serve as the Director of Systems Engineering for the i2S



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.



Directorate of the Camber Corporation for three additional years. He worked for another small company for a couple of years before landing with Booz Allen Hamilton in February 2015, where he works today. Tony is a Certified Systems Engineering Professional (CSEP), a Project Management Professional (PMP), a Certified Scrum Master (CSM) and an ICAgile Certified Professional (ICP).

Tony served as the President of the INCOSE Chesapeake Chapter in 2008 (President-Elect in 2007, and Past President in 2009). He has been a member of INCOSE since 1998 and was originally a member of the INCOSE Washington Metropolitan Area (WMA) Chapter. He has served on the Overall INCOSE Organization's Chapter Awards Committee since 2007 and has been the INCOSE Chapter Awards Committee Chairman for the past five years. As a favor to the 2016 Chesapeake Chapter President, he took over as the Treasurer of the Chesapeake Chapter in May 2016 and was elected to a two-year term in December 2016.

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 to fill 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 available [here](#)).

Elections will take place in the Fall of 2017. If interested in any of these positions, please contact Mike Pafford at mepafford@verizon.net or president@incose-cc.org.

Duties of 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 Chesapeake Chapter submission for the INCOSE Circle Awards.
- Chair the CC Constitution and Bylaws Update Committee, and with BOD approval select its members.



Interested in Jobs & Networking

Contact Mark Kaczmarek

membership@incose-cc.org



Duties of 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.

Duties of 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.

Duties of Membership Director

The CC Membership Director chairs the CC Membership and Outreach Committees, and serves as the Chapter Corporate Outreach Director. The CC Membership 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: (a) manage all formal efforts to maintain and increase the Chapter membership; (b) maintain Chapter Membership Database; (c) provide membership records data access to the CC BOD and collaborating committees; (d) manage member special recognition programs; (e) maintain and regularly update the Chapter Welcome Automated Welcome and Member Renewal Email System; (f) work with BOD to solicit support from corporate, government, and academic sponsors for CC activities and projects; (g) conduct membership surveys; (h) Oversee the INCOSE Chesapeake Chapter Ambassadors Program; and (i) 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.



INCOSE Agile Systems and Systems Engineering Working Group

Contributed By: Rick Dove, Paradigm Shift International Chair, Agile Systems and Systems Engineering Working Group

The capitalized word Agile is used as a noun by many people: “We do Agile.” In this respect it refers to software project management values, backed up by some good software development process principles, shared by a family of software development practices. Some people trained or certified in coaching agile software development would like to solve the needs of agile systems engineering with the same core values and principles. When all you know is a hammer, every problem looks like a nail.

The INCOSE Working Group (WG) on Agile Systems and Systems Engineering does not subscribe to this insufficient understanding and misguided belief.

Instead, we are focused on agility as an adjective – an operational property of systems and the systems engineering processes that create them. A property that enables and facilitates effective and sustainable systems and development processes faced with uncertainty and unpredictable changes in their operational environments.

Charter

Purpose – Develop a body of knowledge that will inform systems engineering on how to deal with unpredictable, uncertain, and evolving environments.

Goals

- Agile systems-engineering and agile-systems engineering fundamentals.
- Agile acquisition processes.
- Supplier Quick Reaction Capability (QRC).
- System and process design that can respond effectively to the pace of technology and changing user expectations.
- International engagement.

Scope – Fundamentally necessary and sufficient INCOSE-relevant architectural concepts and concept-employment principles that enable any system or process to be agile.

Overview

Architecture and design principles that enable system and process agility are known [1]. They weren’t invented. They were discovered in the 90’s by analyzing the causal DNA of this agility property in hundreds of systems and processes. But architecture and design principles are static enabling concepts. Agility manifests in execution – in the facilitated behavior of dynamic system and process operations.

A major current project of the WG is the discovery of an Agile Systems Engineering Life Cycle Model (ASELCM). It is a discovery, not invention, project – analyzing what works and why in effective process operational dynamics across a wide variety of agile process models.



The general focus of this WG is on education and socialization of the enabling concepts, employment examples of these concepts in application, and discovery of fundamental agility facilitating behaviors – in broadly-applicable systems engineering.

We are a Working Group, with the accent on working. Working manifests as self-motivated collaborative projects that result in published or performance artifacts. We also welcome curious visitors at our twice-annual workshops at the INCOSE International Workshops and International Symposiums, as well as observers and lurkers among all on the email distribution list.

What Work Have We Done?

- Five annual INCOSE Webinars on agile System and Process fundamentals.
- Wrote INCOSE Handbook V4 section on agile systems engineering.
- Conducted fundamental-based tutorials at IS and IW.
- Provided papers and panels at INCOSE International Symposiums.
- Organized and edited two INSIGHT Theme issues on Agile SE and on Agile Security.
- Completed four ASELCM Phase 1 Case Studies [2, 3, 4, 5].
- Confirmed an Agile SE Life Cycle Model Framework and the necessary addition of a Research stage [3].
- Discovered nine fundamental operational principles that appear necessary for sustaining agile SE processes [6].
- Developed the CURVE operating environment requirements framework [6]: Caprice, Uncertainty, Risk, Variation, Evolution.

What Work Are We Doing?

- ASELCM Phase 2, vetting Phase 1 discoveries as fundamentally necessary.
- Five WG collaborations in process.
- Open Systems Architecture (OSA), agility, and complexity project.
- Sixth annual INCOSE webinar in development.
- Systems Summit ConOps for Chapter employment [7].
- Systems Summit planning for IS17 and IW18.
- INSIGHT Theme issue 2018 Q2 draft essays for review at IW18 – Enabling and Practicing Systems Engineering Agility.
- Presentations to various Chapters.

What Work is Planned?

- ASELCM project report as INCOSE Product.
- Agility-enabling hardware development infrastructures and concepts.
- Mixed discipline agile systems engineering processes.
- Quick reaction capability, with accent on enabling capability.
- SEBoK contributions.
- Supplier-compatible agile-acquisition concept guidance.
- Whatever YOU want to do, consistent with our Charter.

How Do We Do It?

- Enable and facilitate distributed remote project team collaboration.
- Facilitate project team formation and operation.
- Conduct two annual workshops at IW and IS that review projects in process, discuss new project interests, and start new projects.
- Select project starts that fulfill a need felt by you, by your organization, and by others.



Why Do You Want to Work With Us

We are mission oriented – focused on employable deliverables that satisfy application needs. The WG provides the opportunity to broaden your understandings through collaborative diversity, and develop actionable knowledge of value to you and your organization. On a personal level, engagement in WG activity is professional development, network enlargement, and new knowledge assimilation. On an organizational level, you bring home actionable and sharable knowledge, broader understandings, and more capability.

How Do You Get Involved?

Email the WG chair to be on the WG distribution list. Attend our IW and IS workshops. Come with a passion to learn and make something happen.

Chair: Rick Dove, Paradigm Shift International, dove@parshift.com.

Co-Chair: Ron Lyells, Retired Honeywell, rllyells@aol.com

Co-Chair: Larri Rosser, Raytheon, larri_rosser@raytheon.com

INCOSE Connect Web Site: connect.incose.org/WorkingGroups/ASASE/Pages/Home.aspx

Public Web Site: www.incose.org/ChaptersGroups/WorkingGroups/knowledge/agile-systems-se

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Mark Kaczmarek
Membership
Director

Membership Arena

INCOSE membership is well 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 = 325
- Certification = 141
 - ASEPs = 23
 - CSEPs = 87
 - 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:

April 2017

- *Abbott, Steve*, DOD
- *Dougan, Thomas*, Northrop Grumman Corp.
- *Evans, Paul*, Student
- *Glennan, Andrew*, Northrop Grumman Corp.
- *Marshall, James*, Northrop Grumman Corp.
- *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
- *Cohon, 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
- *Daoud, Abdallah*, ESEP - Vencore
- *Dougherty, Joseph*, ASEP
- *Flanigan, David*, CSEP - JHU/APL
- *Gianni, Benjamin*, ASEP - Loyola University Maryland
- *Giglioli, 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 Corporation
- *Scott, Vantresa*, ESEP - Booz Allen Hamilton, Inc.
- *Starkey, James*, CSEP
- *Wright, Linnea*, CSEP – Booz Allen Hamilton, Inc.



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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.

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- 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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