



E-Newsletter

December 2015

[Back Issues](#)

President's Point of View

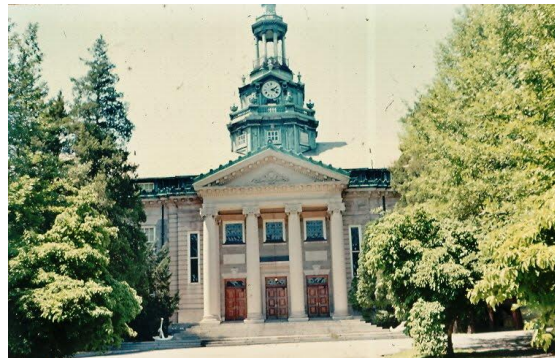


*Mr. George
Anderson
INCOSE CC
President
george.anderson@incose.org*

“Never have our opportunities and our responsibilities been greater.” US Navy – 1959

This month, I would like to talk about another type of veteran that I thought about over our recent Veterans Day holiday. I attended the Naval Academy Preparatory School (NAPS) at the Bainbridge Naval Training Center near Port Deposit, MD in the fall/spring of 1959/60. The school was located in a former boys' school known as Tome Academy.¹ It had a campus complete with dormitories, swimming pools, sports fields, and a number of elegant homes for the headmaster and professors.

The famous architects, William Boring and Edward Lippincott Tilton, designed the buildings in 1899 while Frederick Law Olmstead created the plans for the streets and grounds. The Tome School opened in 1901.



My favorite building was the academic building called Tome Hall, a Georgian Style masterpiece. It stood prominently on high ground overlooking the Susquehanna River, and for many years on a clear day it's distinctive bell tower could be seen from the I-95 Bridge that crosses the Susquehanna near Havre de Grace, MD.

The school was 40 years old in 1941 when the Navy took possession and began admitting sailors from the fleet and enlisted men from other services for a course of academic studies designed to prepare them for the Naval Academy's rigorous academic regimen. I was an

In Vol. 6 Issue 12

- [President's POV](#)
- [President Elect POV](#)
- [Thanks to our Sponsors](#)
- [Chesapeake Chapter Shirts](#)
- [Upcoming Events](#)

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 areas.

**Join
INCOSE
Today**

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.

¹ https://en.wikipedia.org/wiki/Tome_School

Air Force enlisted recruit (Airman Basic) when I reported to Bainbridge in 1959



From 1941 to 1974, thousands of enlisted men received a year of quality education that had formerly been available only to children of affluent parents during Tome's previous 40 years. Many students, including myself, were well prepared as the result of this experience to confront and master the myriad of engineering subjects that we faced later on.

The base closed in 1974. For the next 40 years, the buildings and grounds suffered from neglect and questionable occupation. The results are documented in images taken by the State of MD and make very depressing viewing. At some point during this period, the building was designated a historic landmark with the hope of eventual restoration.



Visit to the Tome Bell Tower, 1960

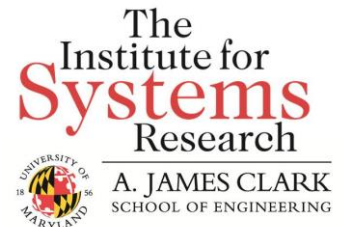
However, this was not to be. On September 21, 2014, an arson fire effectively destroyed Tome Hall forever. The professional nature of the arson made the loss even more difficult to bear for the alumni, and now veterans, of our country's military conflicts.



Tome's Glory Days

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:

Booz | Allen | Hamilton



I have crossed the I-95 Susquehanna bridge several times since the fire and miss seeing the landmark bell tower. For many years, seeing it had elicited memories of my early military service and the privilege of attending classes in Tome. (Much to my wife's chagrin, I have often been known to sing the unofficial school song as we crossed the bridge. This was after all a Navy institution!) Most important, I often think of the architectural beauty of the campus and how it created an atmosphere of respect for education and provided important early knowledge and study skills for those who went on to serve the nation.



[Tome Hall's Final Hours](#)

November Events.



Our November 18 Membership Meeting featured a presentation on the topic of risk by Laurie Wiggins. The evening was a great success. We enjoyed hearing about her unique approach to identifying risks using a software tool she has developed. The Figure above shows Laurie during her presentation with a backdrop of our prototype Chapter advertising banners that were made possible by a grant from the INCOSE Foundation and support from our Applied Physics Laboratory sponsor. We plan to display various messages that promote the Chapter's activities as well as the practice of Systems Engineering in public venues where our members, employers and sponsors may see them.



STAND OUT FROM THE CROWD
 Prepare for the INCOSE CSEP exam with CTI

CTI's CSEP preparation course will equip you with essential understandings, tools and tips to maximize your likelihood of passing the exam.

CERTIFICATION TRAINING INTERNATIONAL

Register Today:
www.certificationtraining-int.com

Election Results

The last comment I have for you this year is to announce the results of our elections for the BOD vacancies. The newly elected INCOSE Chapter Directors are:

- President Elect, Mike Pafford
- Secretary, Craig Tyler
- Membership Director, Mark Kaczmarek
- Programs Director, Gundars Osvalds

The incoming President is Ellie Gianni and I move to the Past President position. We plan to have a formal installation ceremony at the January membership meeting. Please try to attend.

This is my last POV and I wish to thank all the Chapter members, for your dedication to our common goal of making the practice of systems engineering respected and relevant.



George Anderson - INCOSE Chesapeake Chapter President

[Return to top](#)

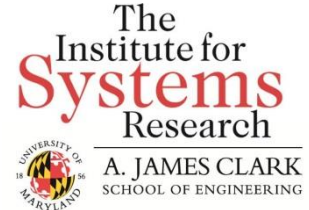
President Elect Point of View

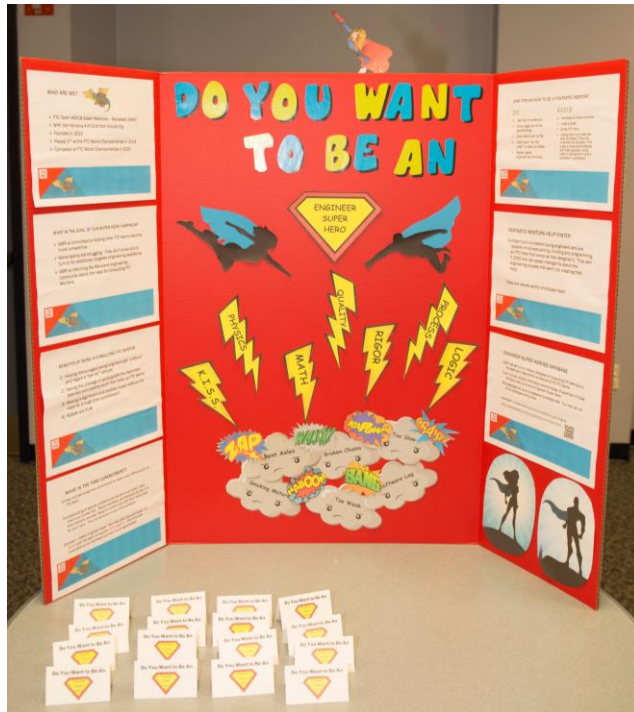


*Ellie Gianni
INCOSE CC
President Elect*

It's a Bird – It's a Plane – No ---- It's an Engineer Super Hero!

During our monthly meeting in November, we had a visit from The First Tech Challenge Robotics Team based out of Ellicott City, MD. The team is made up of high school students who compete against other high school students in robotics competitions. Andy Driesman, also an APL employee, works with the group as a mentor and sponsor. He explained at the meeting that the team is building a database of "Engineer Super Heroes" that the kids can call upon when they have specific questions associated with their robotics projects. They may have a question about JAVA, for example, or some type of electro-mechanical mechanism. That's where INCOSE Chesapeake Chapter can help. So if you are interested in helping out by answering an occasional question from the First Tech Challenge Robotics Team, please email Andy at Andrew.Driesman@jhuapl.edu with your contact information and expertise area. The kids will appreciate your support.





The First Tech Challenge Robotics Team Visits the INCOSE Chesapeake Chapter at APL

What is FIRST Tech Challenge?

FIRST Tech Challenge is a robotics competition where teams of teenaged students are challenged to design, build, and program a robot to play a floor game against other teams' creations in a sports like model.

See <http://www.firstinspires.org/> for more information.



The Green Machine - Reloaded! FTC #4318



JOHNS HOPKINS
APPLIED PHYSICS LABORATORY

The
**Institute for
Systems
Research**



A. JAMES CLARK
SCHOOL OF ENGINEERING

What is an Engineer Super Hero?

Engineer Super Heroes are engineers (like Chesapeake Chapter INCOSE Members) who are willing to be a point of contact for specific, targeted questions about technical issues stumping an FTC team. Being an Engineer Super Hero, aka Consulting FTC Mentor, allows you have a significant impact on STEM focused youth, without the time commitment associated with a “full- time” mentor.

Who is Green Machine - Reloaded! FTC #4318?

FTC #4318 is a 4-H team from Ellicott City, Maryland and has competed at the FTC World Championships twice. The team is committed to helping other FTC teams in Maryland/DC take their game to the next level. One of the key missing components for many teams is access to high quality engineering talent across a broad spectrum. They have no one to turn to help troubleshoot an issue that is beyond the knowledge of their full time mentors. The team is addressing this by sharing the needs for Consulting FTC Mentors with the Maryland engineering community - aka Engineer Super Heroes!



**Andy Driesman Briefs Chapter Membership
on Robotics Team Needs**

The goal of the group is to create a database of Engineer Super Heroes that will be shared with the coaching staff of FTC teams in Maryland/DC. This will be on a password protected site and engineers can opt out of the program at any time. When a team gets stuck, their mentor will access the database and find an engineer with the expertise to help get the team moving along again. Interactions with Consulting FTC Mentors can be done over email, phone, online chat or an in person visit.

- For more information about the program please contact: engsuperheroes@gmail.com
- Visit their website at : <https://sites.google.com/site/engineersuperheroes/home>
- Follow Green Machine - Reloaded! on Facebook at: www.facebook.com/horizonsrobotics4h



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.

[Return to top](#)

Thanks!

We hope everyone enjoyed their Thanksgiving and hope your upcoming holiday celebrations are filled with friends, family and joy. We are so grateful to our membership and our sponsors for all that you do to support and further propagate the body of knowledge associated with the systems engineering practice. As we look toward the New Year, we would like to especially thank the following Chesapeake Chapter sponsors:

Booz Allen Hamilton
Business Transformation Institute
Camber
ClearEdge IT Solutions
CyberCore
Eliassen Group
Johns Hopkins University Applied Physics Laboratory
Jovian Concepts
Proteus
Scitor Corporation
Serco
SI Tec
The Institute for Systems Research at the University of Maryland A.
James Clark School of Engineering
Vencore
2Hb Incorporated

INCOSE Chesapeake Chapter Shirts

Looking for a special holiday gift for the engineer that has everything? How about an INCOSE Chesapeake Chapter monogrammed shirt? Shirts are available for both men and women from Maryland Monogram at: <http://www.mmp.com>

For questions, call:

410-544-8440



Prices vary depending on the type of shirt ordered. Please contact Maryland Monogram directly for pricing. They are located at:

91 Ritchie Highway, Pasadena, MD 21122

Upcoming Events and Announcements

- **December 2, 2015:** INCOSE Chesapeake Chapter Board of Directors Meeting ¹
- **December 9, 2015:** [Holiday Party](#) – Garrett Jacobs Mansion - Engineers Club – 6:00-10:00 PM Dinner and Program
- **December 19, 2015:** [Joint INCOSE Chesapeake Chapter IEEE Software Engineer – Systems Engineer Forum](#), 9AM – 3 PM,

Saturday, JHU APL Kossiakoff Center Classrooms 7 and 8. No cost. Lunch is on your own. Topics: Introductions and overview; SWECOM competency model; SE and SwE are synergistic disciplines; A software engineer's view of systems engineering -- A system's engineer's view of software engineering. This will be a moderated discussion with Q&A.

- **January 13, 2016:** INCOSE Chesapeake Chapter Board of Directors Meeting ¹
- **January 20, 2016:** INCOSE Chesapeake Chapter Dinner Meeting^{2,3}
- **January 23, 2016:** ESEP Summit ⁴
- **February 10, 2016:** INCOSE Chesapeake Chapter Board of Directors Meeting ¹
- **February 17, 2016:** INCOSE Chesapeake Chapter Dinner Meeting^{2,3}

1 = Johns Hopkins University (JHU) Applied Physics Lab (APL) Building 1 Barton Conference Room 5:30 – 8:30 PM (Free)

2 = Dinner at JHU APL Building 1 Cafeteria (Last Room on the Left) 6:00 – 7:00 PM (\$25)

3 = Lecture at JHU APL Building 1 Parsons Auditorium 7:00 – 8:00 PM (Free)

4 = JHU APL Building 1 Barton Conference Room 08:00 – 11:00 AM (Free – ESEPs Only)

Interested in Jobs Networking?



Contact Mark Kaczmarek at

mkaczmarekengr@comcast.net



Keep up with the latest news and events. Find out about our new Board of Directors. Explore our extensive library of previous lectures from our Monthly Dinner Meetings. Learn of the Benefits of Joining INCOSE. Check out Systems Engineering education in the local area. All this and more awaits you at our [INCOSE Chesapeake Chapter Website](#).

For any comments or suggestions about this newsletter please e-mail our [President, George Anderson](#) or our [Communications Director, Pat Williams](#). We value your feedback.

Board of Director Officers, 2015

- President: Mr. George Anderson
- Past President: Mr. Erik DeVito
- President Elect: Mrs. EleanoraAnn "Ellie" Gianni
- Treasurer: Mr. Kent de Jong
- Secretary: Mr. Mark Kaczmarek

Directors at Large

- Communications: Mr. Pat Williams
- Programs: vacant
- Membership Committee: Gundars Osvalds