



**December 2013**

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## President's Point of View

It was a very good year, but....



*Dr. William Ewald - INCOSE  
CC President  
[wewald@jhu.edu](mailto:wewald@jhu.edu)*

In last month's POV, I catalogued the many impressive accomplishments of our Chapter over the past year. These accomplishments included, among others, a very robust technical program; scholarship awards to local engineering undergraduates; an aggressive member outreach initiative; and major improvements in our communications capability. We should be justifiably proud of our efforts.

But as impressive as these accomplishments are, we do not intend to rest on our laurels as we move into the New Year. We have a solid operational and financial base that will enable us to move from being a very good chapter to a great chapter. Here's my rationale.

First and foremost, we have a highly motivated and capable Board of Directors who are constantly looking for ways to improve our services to members. Complacency is not in our vocabulary. As we move into the New Year, our Board is contemplating several initiatives that will: improve the functions of the Chapter; tighten our By-laws; reach out to under-represented engineers in our Chapter; and produce a more meaningful strategic plan. More information will be forthcoming in the next several months.

Second, we are blessed to be located in an area that has a plethora of companies and institutions that value the roles of systems engineers. Consequently, there is a rich and diverse systems engineering population that we can draw upon for our technical programs. Most come from the defense, aerospace and intelligence communities. But there are other domains (e.g., medicine, transportation, energy, and communications) that have exciting and highly promising systems engineering initiatives. We are beginning to tap into these domains, and look forward to more connections in the coming year.

Third, we are positioned to make a difference in the operations of the larger INCOSE community. We now have enough of a critical mass of resources (talent, time, money) to engage other chapters in collaborative efforts, provide leadership on new initiatives, and work more closely with the INCOSE Board of Directors,

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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.



The Chesapeake Chapter is always looking for volunteers to speak at our upcoming meetings! Please contact our 2013 Programs Director, [Dr. Alex Pavlak](#), if you would like the opportunity to speak or can recommend someone.

Technical Board, and Academic Council. Investments in this area should be taken with the understanding that they will produce returns that benefit our Chapter. Our strategic planning efforts will address these possibilities.

Fourth, we have the beginning of a track record in sponsoring Chapter Working Groups which has the huge upside of potentially contributing to the systems engineering body of knowledge. Past and present efforts include working groups on Object Oriented Systems Engineering Methodology, Program Management and Systems Engineering, and Clean Energy Systems. We can do more by making it easier for groups to form around an interest area, benchmarking what other chapters are doing, and inviting members of INCOSE Working Groups to address our Board and membership.

Fifth, take advantage of our growing Web-based communication capabilities to expand our technical programs – dinner lectures and workshops/tutorials as well as virtual online courses that could be accessed throughout the systems engineering world. This might take some time, but it would be great if our Chapter was internationally known for the quality and relevance of our education and development programs. We would be the benchmark for the entire INCOSE community.

Given these capabilities, I have no doubt that we can be the architects of any future we envision. It's going to be an exciting and productive journey, and I know we will accomplish great things. As I step down from the position of President, I welcome Erik DeVito as our next President and pledge to support him in the coming year in any way I can. Happy Holidays to all

*Bill Ewald - INCOSE Chesapeake Chapter President*

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## Don't miss the upcoming holiday dinner, Wednesday 11 December, 6:00 – 10:00 PM



*The Engineer's Club*

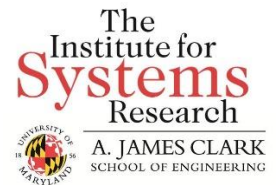
It's been a wonderful year of meals, lectures and fellowship. Come celebrate with us as we recognize those who have helped us realize INCOSE's mission to push SE out into the front of the public debate. Join us for an evening of fine food and stimulating conversation with friends and colleagues. Including the presentation of the **System**

**Engineer Of the Year** Award. Dr. Sam Seymour, JHUAPL Business Coordinator and Vice Chair Systems Engineering, will speak on *“Impactful Personal Systems Resolutions”*

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. Docent tours of the mansion are available 6 –

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



7 PM for \$5.00 We will have a fine buffet of Beef Tips Madagascar with Rice or Salmon Tuscany and Coffee, Tea and Iced Tea

**Dinner Cost:** \$40 per person

To pay by credit card via PayPal, visit our website: [www.incose-cc.org/registration/](http://www.incose-cc.org/registration/)

[Click here to download flyer](#)

**Note: Registration closes 8 December 2013**

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**JOBS NETWORKING** Your Board of Directors for the Chesapeake Chapter are now making a focused effort to provide better communications between job seekers and employers. What is missing from the typical internet searches and scanning job boards is the networking aspect. At the October and November dinner events, we manned a table to help connect people in need of a new job. In order to benefit and assist with this effort, please make a determined effort to attend these events. Also, at the INCOSE international level (link assessable on the right navigation bar of our web site), *there are over 600 job opportunities.*

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**15 January 2014, Dinner/Lecture (6:00 – 8:00 pm)**  
[There is Plenty of Room at the Bottom: Applying Systems Engineering Methodologies to the Micro and Nanoscale Realm](#)



*Ms. Ann Garrison Darrin, The Johns Hopkins University, Applied Physics Laboratory*

**Presentation:** On December 29, 1959, physicist Richard Feynman gave a lecture entitled, “There’s Plenty of Room at the Bottom“, now considered a seminal event in the foundation of Nanotechnology. Today, micro scale and nano scale technology developments have the potential to revolutionize smart and small systems. The application of systems engineering methodologies that integrate standalone, small-scale technologies and interface them with macro technologies to build useful systems is critical to realizing the potential of these technologies. This talk covers the expanding knowledge base on systems engineering principles for micro and nano technology integration starting with a discussion of the drivers for applying a systems approach. Technology development on the micro and nano scale has transitioned from the laboratory curiosity to the realization of products in the health, automotive, aerospace, communication, and numerous other arenas.

**Bio:** Ann Garrison Darrin has worked at The Johns Hopkins University Applied Physics Laboratory for more than 15 years. She is the Managing Executive of the Space Department at the Laboratory and a member of the principal staff. She is the author of numerous papers and an author and editor of the book MEMS and

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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 may wind up in a future issue of our Newsletter.

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Microstructures for Aerospace Applications and on Micro and Nano Structures Systems Engineering. As a technologist, Ann has participated in numerous exciting technology “firsts” in space. Ann is the founder and co-chair of the MEMS Alliance Mid-Atlantic and holds degrees from the Pennsylvania State University and the University of Maryland, University College. Ann sits on the board of the Maryland Space Business Round Table and the Science Council of the Maryland Science Center. Ms. Darrin is the 2005 recipient of the Women’s Leadership Award the Johns Hopkins University Women’s Network and has authored or coauthored over 40 papers, numerous book chapters and holds several patents.

[>>Check out the Event Flyer Here<<](#)

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## **Did you miss last month’s Lecture? Identity Access Management - Challenges and Best Practices**



*Mr. Todd  
Rossin,  
Managing  
Director/Founde  
r IDMWorks*

**Presentation:** Todd Rossin presented core aspects of Identity and Access management including:

- **Assessment & Roadmap** – Review and Planning
- **User Provisioning** – Automation of user management and access to systems within an organization
- **Change Management** – Automation and support for development, rollout and maintenance of system components from current state to future state
- **Role Lifecycle Management** – Modeling and implementation of roles within an organization
- **Access Management** – Real-time enforcement of application security using identity-based controls and provisioned access rights
- **Governance** – Use cases and methodologies proven over the last decade to assist with Identity and Access

Management

- **Audit & Compliance** – Support for laws, regulation and policies

**Bio:** Todd Rossin is responsible for the oversight of various IDMWORKS business segments and for the development of strategic plans to sustain the company's rapid growth pattern. Todd has over twenty years of management and technical experience that assist IDMWORKS clients in accomplishing their missions and objectives more effectively. Todd received his Bachelor of Arts degree from the University of Delaware and his MBA and Masters of Science degrees from Wilmington College. Todd also holds many technical certifications in Identity and Access Management, and IT Security, as well as multiple industry certifications including the CISSP, Security+, MCSE, MCDBA, AIS - HP Identity Management, and the CA DLP Accreditation.

**Check out the video of the lecture on YouTube: Click [here](#)**

Download Todd's lecture presentation: Click [here](#)

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## Upcoming Events

- December 11: INCOSE Chesapeake Chapter Holiday Dinner
- January 15, 2014: Monthly Dinner/Lecture: *There is Plenty of Room at the Bottom: Applying Systems Engineering Methodologies to the Micro and Nanoscale Realms*

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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, William Ewald](#) or our [Communications Officer, Oren Eisner](#). We value your feedback.

### Board of Director Officers, 2013

- President: Dr. William Ewald
- Past President: Dr. Don York
- President Elect: Dr. William Ewald
- Treasurer: Mr. Richard Bentley
- Secretary: Mr. Mark Kaczmarek

### Directors at Large

- Communications: Mr. Oren Eisner
- Programs: Dr. Alex Pavlak
- Membership Committee: Mr. Bob Lecorchick

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