



**International Council on Systems Engineering  
Delaware Valley Chapter Meeting (Non-members welcome to attend)**

**“INCOSE – Impacting Today and Shaping the Future”**

**Presenter: Garry Roedler, INCOSE President, Lockheed Martin Senior Fellow**

Joint meeting with the Penn Systems Engineering Club and the Drexel INCOSE Organization.  
For abstract and the author’s biographical summary, see following pages.

**Date: Thursday evening, February 15<sup>th</sup>, 2018**

**Agenda:**  
**6:30-7:00: arrival and pick up boxed meal**  
**7:00-7:15: self-introductions by attendees**  
**7:15-7:45: Garry Roedler presentation and discussion**  
**7:45-8:15: networking with the students**  
**8:15-8:30: Chapter business**

**Place:** Raisler Lounge, 2<sup>nd</sup> Floor, Towne Building, University of Pennsylvania, Philadelphia, PA, 220 South 33<sup>rd</sup> Street. Please enter through the door at the south-west corner of the building and show the guard some form of ID.

Reached by public transport or car, see <http://www.facilities.upenn.edu/map.php>.

Visitor parking is available on the street and in nearby garages – the Chapter will refund your parking fee. The closest garage is on 34<sup>th</sup> Street just north of Chestnut Street. From there walk south on 34<sup>th</sup> St. past Walnut St., continue on left side of street to Smith Walk (statue of Smith on left). Follow this path to Towne Bldg. on left.

There is a train station at 30<sup>th</sup> and Market, a subway station at 34<sup>th</sup> and Market, and a trolley station at 33<sup>rd</sup> and Market.

**Reservations:** Please contact [peter.crosby.scott@comcast.net](mailto:peter.crosby.scott@comcast.net) ASAP if you plan to attend this event – space is limited. Deadline **February 8<sup>th</sup>** for the meal count: please choose from the sandwich selection at the end of this flyer. \$10 for the meal (As always, all full-time students are FREE, just bring student ID).



**International Council on Systems Engineering**  
**Delaware Valley Chapter Meeting (Non-members welcome to attend)**

**Presentation Abstract**

Look around us and what do you see regarding the systems of today? It is hard to find a relevant system that is a stand-alone system, not interconnected to other systems or interacting in some significant way with other systems. And the increases in the functionality of our systems, as well as the level of technology adoption, is driving the need to adapt our systems engineering perspectives and practices. Systems engineering continues to evolve as an important part of providing successful capabilities, and INCOSE is trying to lead its evolution into the future.

This presentation will provide an overview of the INCOSE organization, including what members can leverage and what we influence. It will then look at our current situation and how our environment is changing, providing an understanding of the challenges we are facing with some examples using specific technology areas. It will then provide a look at some of the work in process to advance our processes, practices, and performance of Systems Engineering towards addressing those challenges, including working towards the realization of the INCOSE SE Vision 2025.

**Biography**

Garry Roedler is a Senior Fellow and the Engineering Outreach Program Manager for Lockheed Martin and the President for the International Council on Systems Engineering (INCOSE). He has over 32 years of systems engineering (SE) experience that spans the full life cycle and includes technical leadership roles in both programs and business functions. He is also an INCOSE Fellow, holds systems engineering certification at the Expert Systems Engineering Professional (ESEP) level, and received many corporate and industry awards, including the Lockheed Martin Nova Award, Technical Leadership Award, and the INCOSE Founders Award. Garry has held other key leadership roles in several industry associations and standards development organizations, including member of the INCOSE Board of Directors, US Lead for ISO/IEC JTC1/SC7 Systems and Software Engineering, steering group member for the National Defense Industrial Association SE Division; working group chair for the IEEE Joint Working Group for DoD SE Standardization; editor of ISO/IEC/IEEE 15288, Systems Life Cycle Processes and several other standards; and key editor roles for the Systems Engineering Body of Knowledge (SEBoK) and the INCOSE Systems Engineering Handbook. This unique set of roles has enabled Garry to influence the technical co-evolution and consistency of these key Systems Engineering and System of Systems resources.



**International Council on Systems Engineering**  
**Delaware Valley Chapter Meeting (Non-members welcome to attend)**

## **Meal Choices**

From Bon Appétit Catering at Penn... Boutique Boxed Lunch

- 1) Balsamic Glazed Roasted Eggplant, Zucchini and Portobellos, Fresh Tomatoes and Butter Lettuce on a Multigrain Baguette (VG)
- 2) Herb and Lemon Grilled Chicken Breast, Havarti, Roasted Red Peppers and Arugula on a Baguette
- 3) Smoked Turkey Breast, Monterey Jack, Romaine, Avocado, Black Bean Spread and Chipotle Cream in a Flour Tortilla
- 4) Roast Beef, Provolone Cheese, Romaine, Caramelized Onions and Chipotle Mayo on a Knot Roll

Each sandwich will come with a Granola bar, bag of chips, whole fresh fruit, house-made soft cookie and bottled water.

For further information about the International Council on Systems Engineering please visit the INCOSE website at <http://www.incose.org/> and the Delaware Valley Chapter website at <http://www.incose.org/ChaptersGroups/Chapters/ChapterSites/delaware-valley/chapter-home>. The Penn Systems Engineering Club website is at <https://sites.google.com/site/pennincose/home> and the Drexel student division website is at <https://drexel.campuslabs.com/engage/organization/INCOSE>