Chesapeake Chapter INCOSE

Champions and Practitioners of Systems Engineering

cordially invites you to our

Monthly Dinner and Lecture

Wednesday, 20 March 2019 (6:00 – 8:00 pm)

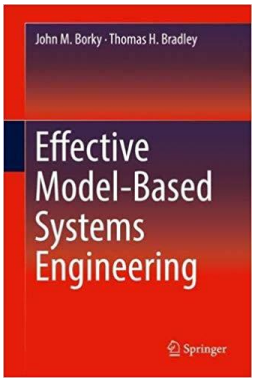
Methodology Tailoring for Development Time Optimization

Anthony Millán

Location: Applied Physics Laboratory, Johns Hopkins University
11100 Johns Hopkins Rd Laurel MD 20723 (Main Entrance – Lobby 1)

Presentation: The DARPA Adaptive Vehicle Make program proposed the META design flow – a method that integrates architecture development, detailed design, and performance analysis efforts using Model-Based Systems Engineering and a component model database – as a means to achieve a 5X reduction in complex system development time. This research tailored the ISO/IEC/IEEE 15288 technical processes to incorporate the META design flow and extend it into an end-to-end Systems Engineering methodology. The resulting methodology facilitates applying the META design flow to different domains such as healthcare and product line architectures. A potential application of the methodology for optimizing operating room designs, presented at the 2018 INCOSE Systems Engineering in Healthcare Conference, is discussed.

Speaker: Anthony Millán is a Systems Engineer in the Weapon Systems Engineering group of the JHU/APL Air and Missile Defense Sector, where he has three years of experience conducting system-level performance analyses of missile defense systems. He is currently completing a PhD in Systems Engineering at Colorado State University with research focused on Model-Based Systems Engineering and Systems Architecting. Anthony also completed an MSE in Systems Engineering from Johns Hopkins University in 2018 and is an INCOSE Associate Systems Engineering Professional since 2017.



Door Prize for this month
Effective Model-Based Systems Engineering

Menu: Corned Beef and Cabbage, Parsley potatoes, Green beans, served with garden salad, dressing, rolls and butter, dessert, including a small Fruit Plate, coffee, iced tea

Dinner Cost: Guests: **$25;** INCOSE members: **$20** if payment is received by March 15th, 2019, **$25** afterwards. To pay by credit card or PayPal, visit our registration webpage for details https://www.incose-cc.org/event-registration/

Presentation ONLY: FREE at 7pm in Parsons Auditorium

Corporate Sponsor: We wish to thank the Applied Physics Laboratory for supporting the systems engineering profession through use of their facilities.

Search "INCOSE Chesapeake" on YouTube for all Monthly Lectures

Our Evening's Agenda

5:45 – 6:00 pm	**Arrival and Socializing**
6:00 – 6:45 pm	**Dinner**
6:45 – 6:50 pm	**Meet**
6:50 – 6:55 pm	**Chapter Business Items**
7:00 – 8:00 pm	**Lecture**

Directions: **JHU APL**, 11100 Johns Hopkins Road, Laurel, Maryland 20723, Phone (443) 778-5000
See APL's Visitor Guide for more: https://www.jhuapl.edu/About/Directions

From Washington DC and Capital Beltway (I-495):

Take I-95 North toward Baltimore, 10 miles to Columbia exit (MD Route 32 West),

Go 2.5 miles to the Washington DC exit (US Route 29 South).

Go 1.5 miles south and take Johns Hopkins Road exit (bear right at the top of the hill).

Or from the Capital Beltway (I-495):

Take US Route 29 North (Colesville Road) 10 miles and follow signs for the turn onto Johns Hopkins Road.

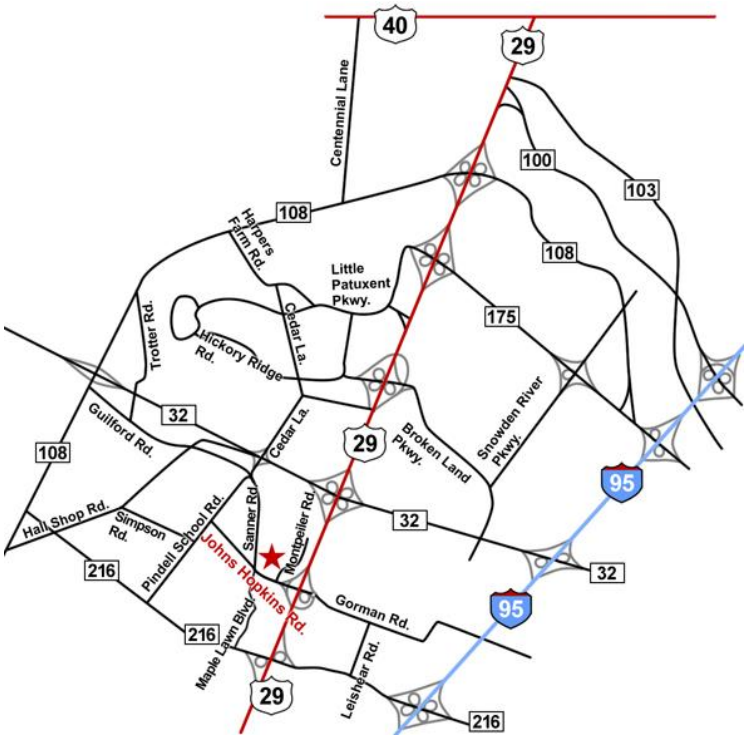
From Baltimore and Baltimore Beltway (I-695):

Take I-95 South toward Washington DC.

Go 13 miles and take Columbia exit (MD Route 32 West).

Go 2.5 miles and take Washington DC exit (US Route 29 South).

Go 1.5 miles south and take Johns Hopkins Road exit (bear right at the top of the hill).



Once you're on Johns Hopkins Road:

APL is a half-mile west of US Route 29 on your right side. Go past the first entrance, continuing past the pond and take the next right turn onto a tree-lined lane. Park in the visitor's lot on your left side. Enter at the main entrance marked **Building 1** (flagpoles and traffic circle in front).

Dinner is held in the Howard County Room #3 located at the end of the cafeteria hallway to the right of the entryway just before the Guard's desk.