



Monthly Dinner and Lecture

Wednesday, 19 February 2020 (6:00 – 8:00 pm)

Exploring the T&E Space using Model-Based Conceptual Design Techniques

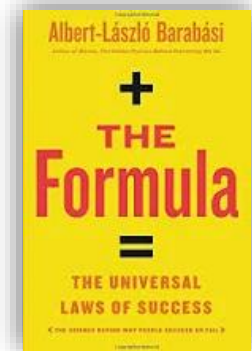
David A Flanigan, Ph.D.

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

Presentation: During the initial concept development phase, systems engineers may use Model Based Conceptual Design (MBCD) techniques to focus on defining the problem space and system functions. This approach has generally been successful for describing the system concept in the early stages in the lifecycle, but a lack of attention in the Test and Evaluation (T&E) space has motivated the extension of the MBCD methodology to consider this space to improve decision makers' insights into total system development. This talk will present the concepts given at the 2019 INCOSE International Symposium, as well as a preview of the follow-on work that was submitted to the 2020 INCOSE IS.



Speaker: Dr. David Flanigan is a member of the Principal Professional Staff for The Johns Hopkins University Applied Physics Laboratory and is the vice chair of the Johns Hopkins University Systems Engineering Program.



Door Prize for this month
The Formula: The Universal Laws of Success
by Albert-László Barabási

Menu: Chicken breast with mushroom marsala sauce; Wild rice; Steamed Broccoli, served with garden salad, dressing, rolls and butter, dessert, including a small Fruit Plate, coffee, iced tea

Dinner Cost: Guests: \$25; INCOSE members: \$20



incose-cc.eventbrite.com

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.

