

How Systems Engineers Can Survive in the SCRUM



Presented by:

Michael E. Pafford

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Global Engagement Department

Wednesday, 20 January 2010 (6:00 – 8:00 pm)

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

Presentation: Systems Engineers are more and more participating in or leading project teams involved in the concept, design, development, and deployment of software-intensive systems. Many of these project teams employ agile object-oriented software engineering techniques such as SCRUM. How do Structured Analysis and Design type Systems Engineers adjust and adapt to working with or leading project teams that have decided to employ SCRUM? This presentation will review some Lessons Learned on being the Lead Systems Engineer on a SCRUM team developing a first-of-its kind network-based Performance Assessment System for use by distributed DoD/Government Test and Evaluation Teams.

NOTE: Before the Presentation, the new INCOSE Chesapeake Chapter Board of Director Officers will be installed

Speaker: Mike Pafford is in his tenth year as a member of the Senior Professional Staff at the Johns Hopkins University Applied Physics Laboratory (JHU/APL). His current roles and responsibilities include Strategic C2ISR Subject Matter Expert for the Global Engagement Department, ISR Technical Advisor to HQ USSTRATCOM and the DoD Intelligence Operations Coordination Center (DIOCC), and Lead Systems Engineer (LSE) on a project team developing a Collaborative Information Environment (CIE) concept for Maritime Operations Centers (MOCs). Mr. Pafford is a lecturer in Software Engineering Management in the JHU Whiting School of Engineering. He was also co-instructor in a recently-completed JHU/APL Strategic Education Program (SEP) practitioners course in Model-Based Systems Engineering (MBSE) using the Enterprise Architect™ SysML-based software toolset. In addition, he is a long-time member of the INCOSE Object-Oriented Systems Engineering Methodology (OOSEM) Working Group.

Note: Dinner will be held in the Howard County Room #3 (Enter the Main Laboratory Entrance, Lobby 1, and take a right at the guard station into the main cafeteria. We're down at the end of the hallway in the very last dining room.) Topic discussion will follow dinner.

Delicious friendly networking buffet dinner: Braised Beef Stew with carrots, potatoes and celery in a rich burgundy wine brown sauce over a savory biscuit. Parmesan Crusted, Spiced Chicken Cutlets seasoned with garam masala and coated with parmesan breadcrumbs. Vegetable du jour, Garden Salad
Rolls and Butter, Dessert Cakes, Iced Tea, Water, Coffee.

Dinner Reservations: To register for dinner, contact Dave Griffith at d.griffith@ngc.com or call **410-993-2806**.

Dinner Cost: For Guests: **\$20**; For INCOSE members: **\$15** if payment is received by Jan 15th, 2010, **\$20** afterwards. To pay by credit card or PayPal, visit our website: <http://www.incose.org/chesapek>; or to pay by USPS, mail checks (payable to INCOSE-CC) to:

Dave Griffith, PO Box 142, Linthicum, MD 21090-0142.

Dinner Cancellation Policy: If you make a dinner reservation and then find that you will be unable to attend, please notify Dave Griffith by Monday, Jan 18th, 2010. There will be no refunds after Monday, Jan 18th, 2010.

Presentation ONLY: FREE (no reservations necessary)

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

Our Evening's Agenda

- 5:45 – 6:00 pm** **Arrival and Socializing**
- 6:00 – 6:45 pm** **Dinner**
- 6:45 – 6:55 pm** **Install new INCOSE Chesapeake Chapter Board of Director Officers**
- 7:00 – 8:00 pm** **Presentation**

Directions: **JHU APL**, 11100 Johns Hopkins Road, Laurel, Maryland 20723, Phone (443) 778-5000
See APL's Visitor Guide for more: <http://www.jhuapl.edu/newscenter/visitor/default.asp>

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.

