

# Systems Engineering Opportunities in the Emerging PBL World



Chesapeake Chapter  
**INCOSE**  
International Council on Systems Engineering

Presented by:

**Michael "Bo" Gourley, DML**  
**Logistics Engineering Principal**  
**Lockheed Martin**  
**Center for Performance Excellence**

**Wednesday, 21 October 2009 (6:00 – 8:00 pm)**

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

**NOTE:** Before the Presentation, John A. Thomas, will spend a few minutes discussing "*Technical Leadership and the role of the Systems Engineer for Program Success*". John is a candidate for this year's INCOSE President Elect.

**Presentation:** Last year Mr. Gourley reviewed the relationship of Logistics Engineering and Systems Engineering in long-term systems supportability in DoD Systems. With that as a foundation, he will discuss the "new" world of Performance Based Logistics (PBL) and its broader emergence as Performance Based Lifecycle Product Support. Mr. Gourley suggests that the role of Systems Engineering in this developing domain will become increasingly important to life cycle program managers since they will need to have,

appreciate, and maintain a system-level view of the programs over which they are responsible. Factors that feed into System-level operational effectiveness will need to be more clearly understood by decision makers since the cumulative effects of those factors directly impact long-term sustainment, including total lifecycle costs. Systems Engineers will be a valuable commodity, particularly if they understand the new DoD Sustainment Key Performance Parameter, and its associated Key System Attributes.

**Speaker:** Mr. Gourley is a Logistics Engineering Principal with Lockheed Martin's Center for Performance Excellence. He provides internal consulting and training support primarily related to Performance Based Logistics initiatives. He was the Program Director for Systems Sustainment at the Defense Acquisition University (DAU), where he was responsible for the development and continual assessment of Sustainment Logistics learning assets. Additionally, he provided support to the Office of the Under Secretary of Defense (AT&L) and the Military Departments in training and guidance related to Sustainment Logistics policy and implementation. Mr. Gourley served 20 years on active duty with Navy; has held positions in industry as Chief Process Engineer, Senior Member of the Technical Staff, and Senior Analyst; and has been Deputy Program Manager, Assistant Program Manager for Logistics, and Logistics Manager while in Civil Service. He holds an MBA in Industrial Management, has received the Demonstrated Master Logistician (DML) designation from the International Society of Logistics (SOLE), and is DAWIA certified in Lifecycle Logistics and Program Management.

**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:** We'll be celebrating Oktoberfest with Bratwurst and Knockwurst, German Potato Salad, Sauerkraut, Braised Red Cabbage, Cucumber Caraway Salad, Apple Strudel, Iced Tea, Water, Coffee.

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

**Dinner Cost:** **PLEASE NOTE THE NEW PRICE** For Guests: **\$20**; For INCOSE members: **\$15** if payment is received by Oct 16<sup>th</sup>, 2009, **\$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, Oct 19<sup>th</sup>, 2009. There will be no refunds after Monday, Oct 19<sup>th</sup>, 2009.

**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

<b>5:45 – 6:00 pm</b>	<b>Arrival and Socializing</b>
<b>6:00 – 6:45 pm</b>	<b>Dinner</b>
<b>6:45 – 6:50 pm</b>	<b>Member Introductions</b>
<b>6:50 – 6:55 pm</b>	<b>Chapter Business Items</b>
<b>7:00 – 8:00 pm</b>	<b>Presentation</b>

**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.

