

"Object-Oriented Systems Engineering Method (OOSEM) Tutorial"



Presented by:

Sanford Friedenthal
Distinguished Engineer

Sunday, 7 October 2007

8:00am – 5:00pm

Location: Kossiakoff Center

Johns Hopkins University Applied Physics Laboratory

11100 Johns Hopkins Road

Laurel MD

Tutorial: "Object Oriented Systems Engineering Method (OOSEM)"

This tutorial will introduce an Object Oriented Systems Engineering Method (OOSEM), which integrates a top down systems approach with object oriented concepts and modeling techniques. This methodology uses the extension to UML for systems engineering called the OMG Systems Modeling Language (OMG SysML™). OOSEM brings to Systems Engineering a technique for leveraging some of the expressiveness of SysML and the advantages of OO to help architect more flexible, extensible, and upgradeable systems with new evolving technology. Another major goal of OOSEM is ease of integration with object-oriented methods for software engineering, and integration with hardware engineering and other disciplines. The tutorial will provide an overview of the model based method for needs analysis, requirements analysis, logical design, physical design, and supporting activities.

NOTE: It is recommended that you take Part 1 (OMG SysML™ Tutorial) on Saturday, October 6 or that you have had experience with UML or SysML, before you take Part 2 (OOSEM Tutorial) on Sunday.

Speaker: Sanford Friedenthal, Lockheed Martin

Sanford Friedenthal is a Principal System Engineer at Lockheed Martin. His experience includes the system life cycle from conceptual design, through development and production on a broad range of systems. He has been a systems engineering department manager, and a lead developer of advanced systems engineering processes and methods including the Lockheed Martin Integrated Engineering Process and the Object-Oriented Systems Engineering Method (OOSEM). Mr. Friedenthal also led the Industry Standards effort through the Object Management Group (OMG) and INCOSE to develop the Systems Modeling Language (OMG SysML™) that was adopted by the OMG in 2006. He also has participated in the development of the UML Profile for DoDAF and MODAF (UPDM).

Reservations: There is a strict headcount limit of 50. Reservations will be taken on a first come first serve basis. To register for the meeting, contact Dave Griffith at d.griffith@ngc.com. 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**. **All checks must be received NLT Thursday, 4 October, prior to start of tutorial!**

Tutorial Cost: \$75.00 including continental breakfast and lunch. **Payment:** Payment will be arranged at the time of your registration acceptance.

Cancellation Policy: If you make a reservation and then find that you will be unable to attend, please notify us not later than COB Monday, October 1st, to avoid liability for payment for the tutorial.

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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. Pass the Texaco gas station and make the first right onto Pond Road, just past the APL Federal Credit Union. Park in the visitor's lot on your right side. The Kossiakoff Center is glass-enclosed building to the left of the Visitor parking lot.