

Full Day Seminar: Friday, January 16, 2009, 8:30am – 5:00pm
at SAIC, Research Parkway

Tutorial Description - Model-Based Systems Engineering (MBSE)

- The OMG Systems Modeling Language (OMG SysML™) is a general-purpose graphical modeling language for specifying, analyzing, designing, and verifying complex systems that may include hardware, software, information, personnel, procedures, and facilities. In particular, it provides graphical representations with a semantic foundation for modeling system requirements, behavior, structure, and parametric equations that can integrate with a broad range of engineering analysis. SysML represents a subset of UML 2.0 with extensions needed to satisfy the requirements of the UML™ for Systems Engineering RFP.
- This tutorial provides an introduction to how SysML can address the needs of the systems engineer. It includes background and motivation, an overview of the SysML diagram types and language concepts, and selected sample problems to demonstrate how the language can be used as part of a typical SE process. Additional information including this tutorial, vendor information, and papers, can be found on the OMG SysML website at <http://www.omgsysml.org/>. Training materials include the presenters' book, *A Practical Guide to SysML* published Fall 2008.

To Register:

Registration by COB Jan 9, 2009:

Registration Fee = \$150 per person

INCOSE Members/Students = \$75

All INCOSE Members who register and do not attend, will be invoiced \$75 for holding a seat.

Course materials, refreshments and lunch are included with your registration.

Registration limited.

Register using one of the following methods:

a) Use the on-line payment options at http://www.incose.org/orlando/paypal_tutorial_SysML.php

OR

b) Complete the form on the next page and mail with your check (payable to INCOSE)

SAIC
12901 Science Drive
Orlando, Florida 32826
www.incose.org/orlando



Presented in collaboration with the
Institute for Advanced Systems Engineering (IASE)
and the University of Central Florida
<http://iase.ucf.edu/>

“Systems Modeling Language (SysML)”

**JANUARY 16, 2009
ORLANDO, FLORIDA**



About the Instructor:

Sanford Friedenthal is a Principal Systems Engineer at Lockheed Martin and currently leads an effort to enable model based systems development (MBSD) across the corporation. His experience includes the application of systems engineering throughout the system life cycle from conceptual design, through development and production on a broad range of systems in aerospace and defense. He has been a systems engineering department manager, and a lead developer of advanced systems engineering processes and methods including the Lockheed Martin Integrated Enterprise Process and the Object-Oriented Systems Engineering Method (OOSEM). Mr. Friedenthal was a leader of 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. Sanford is co-author of the recently published book titled “A Practical Guide to SysML”.

Registration Form – Please either:

1) detach and mail with your check to:

SAIC

INCOSE-Orlando Treasurer, Becky Matz

12901 Science Drive

Orlando, Florida 32826 - 7842

OR 2) register online at http://www.incose.org/orlando/paypal_tutorial_SysML.php

Cancellation Policy: Substitutions are permitted until the day before the course. Full refunds will be made prior to Friday, Jan 9, 2009. No refunds will be made after that, although substitutions will be allowed. INCOSE-Orlando reserves the right to cancel the course with full refunds.

Registration limited

Full Day Workshop “Systems Modeling Language (SysML)”

(Workshop materials, refreshments and lunch are included in your registration fee.)

Name: _____ **Title:** _____

Company: _____

Email (required for e-confirmation): _____

Mailing Address: _____

Work/Cell Phone: _____

Circle One: **Registration Fee = \$150/person**
INCOSE Members = \$75

(Note to All INCOSE members: “No Shows” will be charged extra \$75)

**For questions or additional information,
contact BECKY.G.MATZ@saic.com
or (407) 243-3795.**