International Council on Systems Engineering
New England Chapter Meeting

The Continuing Evolution of Model-Based Systems Engineering

Speaker: George Sawyer, Systems Engineer, BAE Systems

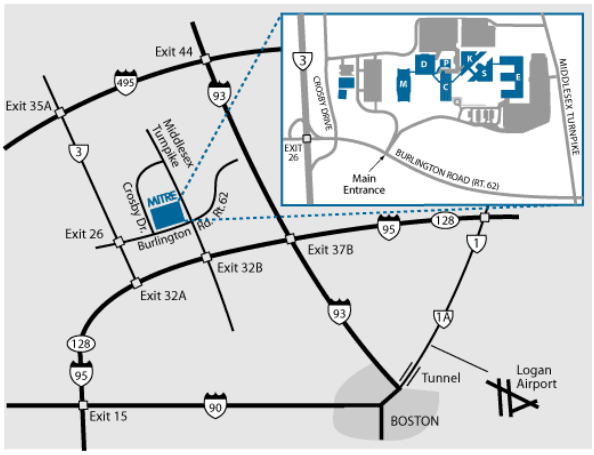
Date: **Wednesday, March 11th, 2009**

Time: **6:00-6:20pm Social / Refreshments**
6:20-6:40pm Chapter Meeting / Networking
6:40-8:00pm Featured Presentation

Location: **MITRE – M Building (Room 1M306 in main lobby)**
202 Burlington Road, Bedford, MA. 01730-1420

Directions:

http://www.mitre.org/about/locations/bedford_map.html



Reservations:

For planning purposes, please RSVP at info@incose-ne.org

For further information about the International Council on Systems Engineering, please see the INCOSE Chapter website at http://www.incose-ne.org/

Cost: $10 for members, Free for students and first time attendees

Abstract

INCOSE has identified the institutionalized use of model-based development environments by Systems Engineers as an integral part of its SE Vision 2020. The Model Based Systems Engineering (MBSE) Initiative was created several years ago to specifically address this part of the vision. The recent INCOSE International Workshop in late January reviewed and worked on some of the critical activities in the MBSE arena being performed by groups in Industry, Government and Academia. This presentation synopsizes this on-going work in the MBSE Initiative including recommendations taken from model-based usage and expected directions of future research – both of which the presenter has been personally involved in.

About the Presenter

George Sawyer started his professional career in the United States Air Force over 20 years ago before transitioning to industry and has been involved in numerous technology and systems development projects in that time. He had integral roles in the development of upgrades to the B-52 Bomber, U-2 Reconnaissance aircraft and F-15 Fighter. George also had major development responsibilities for Air Force Mission Support System (AFMSS), Common Missile Warning System (CMWS) and Joint Strike Fighter (JSF). He also was responsible for developing the information infrastructure necessary to support the new generation of Precision Guided Munitions (PGMs) in the early to mid 1990s before the current proliferation of networks existed.

For almost 15 of those years, George has practiced and promoted the use of object-based modeling as an integral part of the development process, first in as a software developer and more recently as a Systems Engineer. Since 2002, George has become one of the BAE SYSTEMS acknowledged experts on applying model-based tools and methodologies to improve the efficiency of system development and the quality of the resulting products. Today, as the company's presence has increased throughout the US, he has become the company's "point man" for unifying model-based development practices. George is intimately involved in the model-based community as an active member of INCOSE's Model-Based Systems Engineering (MBSE) Initiative and the OMG's Systems Modeling Language (SysML) Revision Task Force.

George is a graduate of the University of New Hampshire (BSEE), Air Force Institute of Technology (MSCE) and is nearing completion of Master's Degree of Science in Systems Engineering from Johns-Hopkins University.