Instructor Bio: Sanford Friedenthal is an industry leader in model-based systems engineering (MBSE) and independent consultant. At Lockheed Martin, he led the effort to enable Model-Based Systems Development (MBSD) and other advanced practices across the company. 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 also was a systems engineering department manager responsible for providing systems engineering people, process, and tools to the programs. Mr. Friedenthal has been a leader of the Industry Standards effort through the Object Management Group (OMG) and INCOSE to develop the Systems Modeling Language (OMG SysML(tm)) that was adopted by the OMG in 2006. He is co-author of A Practical Guide to SysML.

The tutorial includes an introduction to SysML with an overview of MBSE. You will be introduced to some of the key SysML language concepts needed to describe the system requirements, behavior, structure and parametrics. A SysML tool will be demonstrated by the instructor. The course material is significantly drawn from the book entitled "A Practical Guide to SysML", which the instructor co-authored. This book provides the detailed reference for people who choose to learn more about MBSE using SysML.

**Course Outline:**

- MBSE Overview
- SysML Overview
- Requirements and Use Cases
- Structure
- Behavior
- Parametrics
- Summary

What: SysML Tutorial  
Who: Sandy Friedenthal  
Where: Avian Engineering, 22099 Three Notch Rd #113, Lexington Pk, MD 20653  
When: Wednesday, January 9th, 2013 from 0900 to 1700  
RSVP to Kelly Rogers, rogers_kelly@bah.com, 301-863-3443