

# INCOSE Chicagoland November Meeting



Topic: "SysML vs. OPM: What a Difference a Little Ontology Makes"

Presenter: Jim Ulmes, Director of Engineering, Fresenius-Kabi

Date: Thursday, November 21<sup>st</sup>, 2013

Agenda: 6:00-6:30 p.m. CDT – Dinner (\$5 Member / \$8 Nonmember) & Networking  
6:30-6:45 p.m. CDT – Introductions & Announcements  
6:45-8:00 p.m. CDT – Presentation and Q&A

Locations:

1. **Schaumburg, IL** – IBM, 10 N. Martingale Dr., Schaumburg, IL 60173 (2<sup>nd</sup> Floor Conference Room)
2. **Lake Forest, IL** – Hospira, 375 N. Field Drive, Building H3, Lake Forest, IL 60045 (1st Floor R&D Innovation Conf Rm)
3. **Milwaukee, WI** – Astronautics, 4115 N. Teutonia Ave., Milwaukee, WI 53209 (Board Room)
4. **Madison, WI** – Bjorksten | bit 7, 7 Fen Oak Ct., Madison, WI 53718 (Mendota Conference Room)

## Abstract

This presentation will examine two different methodologies for modeling a system: the Systems Modeling Language (SysML) and the Object-Process Method (OPM). The Object-Process Method was developed by Dr. Dov Dori of Technion and MIT, and is gaining exposure to the systems engineering community through papers published in Systems Engineering and through professional development courses at MIT.

This presentation will consider how each method approaches modeling: What exists in a system? What kind of relationships can exist between things? How many views of a system do you need? How do these views relate to one another? How complex are the semantics and syntax of the models?

## About Our Speaker

Jim Ulmes is a Director of Engineering at Fresenius-Kabi, a manufacturer of products for blood collection and blood-based therapies. He has been responsible for establishing systems engineering and systems test processes and practice, and for developing systems engineering skills and knowledge in the research and development staff. He has worked in the defense industry (electro-optic reconnaissance cameras) and in the commercial sector (high-volume production line equipment). His undergraduate degree is from Stevens Institute of Technology (unfortunately, before the establishment of the School of Systems and Enterprises and the Systems Engineering Research Center) and his Master of Science degree is in Mechanical Engineering from Illinois Institute of Technology. Jim is a member of INCOSE, ASME, and the American Association of Blood Banks.

Questions?: For more information, go to <http://www.incose.org/Chicagoland/>.