

# INCOSE Chicagoland April Meeting



**Topic:** *The Changing Role of the Systems Engineer in a System of Systems (SoS) Environment.*

**Presenter:** David Walden, ESEP

**Date:** Thursday, April 17<sup>th</sup>, 2014

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

**Locations:**

1. **Schaumburg, IL** – Schaumburg Regional Airport, Meeting Room (1<sup>st</sup> Floor), 905 W. Irving Park Road
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, 5407 Fen Oak Ct., Madison, WI 53718 (Mendota Conference Room)

## **Abstract**

This presentation explores the changing role of the Systems Engineer in today's complex System of Systems (SoS) environment. We will use the analogies of conductor and choreographer to describe the System Engineering leadership challenges that exist in a SoS environment. Similar to a conductor, we will look at the set of activities that ensure the elements in the SoS work together in harmony. Similar to a choreographer, we will look at the set of activities that ensure the expressive nature of each of the SoS elements is fully realized, while still conforming to its overall objectives. Using these analogies, we will draw some conclusions for the evolving Systems Engineering role in a SoS environment. We will also explore which of these activities emerge as dominant in situations both with and without a lead SoS integrator.

## **About Our Speaker**

**David D. Walden, ESEP**, is co-owner and principal consultant for Sysnovation, LLC, a Systems Engineering consulting and training firm he formed in 2006. Previously, Mr. Walden was with General Dynamics Advanced Information Systems for 13 years and McDonnell Aircraft Company for 10 years. Mr. Walden was the Program Manager of the INCOSE Certification Program from 2007-2013. He is an INCOSE liaison to ISO/IEC JTC1/SC7 Working Groups 10 and 20 and is a co-editor of the INCOSE SE Handbook. He has an M.S. in Management of Technology (MOT) from the University of Minnesota, an M.S. in Electrical Engineering and in Computer Science from Washington University in St. Louis, and a B.S. in Electrical Engineering from Valparaiso University in Indiana. Mr. Walden was one of the first to earn the INCOSE Certified Systems Engineering Professional (CSEP) credential in 2004 and was awarded the INCOSE Expert Systems Engineering Professional (ESEP) credential in 2011.

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