

# Intro to Systems Thinking

## INCOSE Tutorial Fall 2009

***Do you have the tools you need to deal with complex systems in today's environment?***

**System thinking** is a discipline for seeing “the big picture” and identifying key systemic relationships that influence system behavior. In a very practical way, this course covers the principles and tools of systems thinking to facilitate the understanding of dynamics of systems ranging from software-driven systems to endangered ecosystems.

### Course Topics include:

- Complex System Characteristics
- What is a Dynamic System
- Modes of Dynamic Behavior
- Mental Models
- Causal Loop Diagrams
- Endogenous and Exogenous Variables
- How Structure Influences Behavior

What you learn in this tutorial will enhance your learning and participation in the INCOSE Mini-conference held on Saturday, October 31<sup>st</sup>.

*NOTE: The format of this course is highly interactive. Come prepared to share your experiences.*



### COURSE DETAILS:

**Date:** Friday, October 30, 2009

**Time:** 9:00 AM to 2:30 PM

**Location:** Room TBD, UCSD Extension Complex

**Section ID:**

**Instructor:** Ed Andrews

Cost: \$95.00. Lunch Included

**Friday, October 30, 2009...**

[extension.ucsd.edu/engineering](http://extension.ucsd.edu/engineering)

**ENROLL TODAY!**

### Information:

Tony Babaian

(858) 622-5740

[unexengr@ucsd.edu](mailto:unexengr@ucsd.edu)



[extension.ucsd.edu](http://extension.ucsd.edu)