



**International Council on Systems Engineering
Delaware Valley Chapter Meeting**
(Non-members welcome to attend)

Systems Engineering From a Life Cycle Perspective

Speaker 1: John A. Groenenboom
Director, Systems Engineering, Integrated Defense Systems, Rotorcraft
Division

Trade-Off Analysis in the Systems Engineering Process

Speaker 2: Thomas Plumadore & Stephen Cozzolino

Thomas Plumadore
Account Manager, Aerospace and Defense
Telelogic Corporation

Stephen Cozzolino
Senior Application Engineer, Telelogic Corporation, Aerospace and
Defense

Date: Wednesday, December 12, 2007

Time: 5:30 p.m.
\$10 for the buffet meal (students \$5)

Place: Boeing, Integrated Defense Systems, Rotorcraft Division (Ridley Park, PA)
Building 3-04
*(Visitors will be greeted at the Security Guard House, along Route 291 and
will be escorted into Bldg. 3-04)*

Agenda:

- 5:30 to 6:00: Arrival and Introductions
- 6:00 to 6:30: Buffet Meal
- 6:30 to 6:45: Chapter Business
- 6:45 to 7:30: Speaker 1
- 7:30 to 7:40: Break
- 7:40 to 8:25: Speaker 2
- 8:25 to 8:30: Wrap Up

To RSVP:

By close of business (COB) Thursday, December 6th, 2007, you must contact Robert Bruff at robert.s.bruff@boeing.com (phone 610-591-7302) and give your name, country of origin and contact information. For U.S. citizens, photo identification in the form of a valid driver's license must be presented to the Boeing Security Guard upon entering the Boeing facility. Foreign nationals must have a valid passport for display at time of visit. Green card holders must have their green card with them for admittance. All non-U.S. citizens are required to provide the following information to Robert Bruff: full name, date



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of birth, place of birth, passport and/or visa #, country of citizenship, dual citizenship country (if applicable), company of affiliation within the Delaware Valley region and/or within the U.S., member of INCOSE (yes/no), email address and phone contact information.

Directions to Boeing, Ridley Park, PA

Boeing may be accessed from I-95. From I-95S, exit at Ridley Park (Exit 8) and make a left onto Stewart Ave. From I-95N exit at Ridley Park (Exit 8) and make a right onto Stewart Ave. Take Stewart Ave. to Route 291. Make a right on to Route 291. At the next traffic light, make a right into the facility. Parking is located on your left (Lot 6), prior to the guard house (adjacent Building 3-28). Each attendee will be provided with a badge at the guard house and will be escorted into Building 3-04. An escort will meet you at the security guard house after you check in with the guard.

For further information about the International Council on Systems Engineering, please see:

- The INCOSE website at <http://www.incose.org/> and
 - The Delaware Valley Chapter web site at <http://www.incose.org/delvalley/>
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Speaker Biographies

John A. Groenenboom

Mr. Groenenboom is Director, Systems Engineering (SE), Integrated Defense Systems, Rotorcraft Division. He is responsible for all Systems Engineering, Systems Integration and Mission Assurance functional responsibilities supporting all of Boeing's Mesa, AZ and Philadelphia, PA Rotorcraft programs. John has an M.S. in Technical Management, a B.S. in Aerospace Engineering and brings extensive experience from other Integrated Defense Systems programs.

Stephen Cozzolino

Mr. Cozzolino is a Senior Application Engineer at Telelogic, servicing the Aerospace and Defense segment. Steve holds a BS Electrical Engineering and MBA from Villanova University.



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Abstracts

Systems Engineering From a Life Cycle Perspective

Tools and processes deployed by the systems engineering function are applicable to all phases of the DoDI life cycle. This presentation will discuss the implementation of systems engineering tools and processes from a life cycle perspective.

Trade-Off Analysis in the Systems Engineering Process

Performing trade studies is a common activity in the systems engineering discipline. However, the rigor, process and tool usage vary widely. Common engineering decisions that deserve trade studies are architectural design alternatives and sub-component vendor selection. Join us to learn how Telelogic Focal Point can handle complex systems engineering decisions including support for minimization and maximization criteria, qualitative and quantitative factors, weighted and hierarchical decision trees, and pair-wise comparisons. We will also discuss how the results can be synchronized back into DOORS. Finally, time permitting; we will quickly explore the new DOORS 8.3 user interface.

~ End ~