

Tuesday Evening Monthly Program – October 14, 2008
5:30 PM Social Half-Hour and Snack.
6:00 - 7:00 PM Talk followed by questions.



Place: Santa Clara University,
Bannan Engineering
Building 404, Second Floor Conference Room 230.

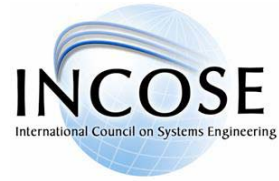
Directions, including Transit information is at
<http://www.incose.org/sfbac/Directions-to-SCU.html>

From the main campus entrance on El Camino Real in Santa Clara, CA, stop at the visitors entrance booth and ask for a "Visitors" parking permit. Say you are here for a meeting and that you are an invited guest of the Dean of Engineering. Park in the parking garage in the visitor's parking spaces or in any other available "Visitors" parking space.

Link to the Bannan Engineering <http://www.scu.edu/map/index.cfm?i=5>

If you have any questions about SCU, you may contact Campus Security at 408-554-4441.

Web Conference Attendance is not available.



Speaker: Dr. Scott Workinger

Consultant

E-Mail: scottworkinger@gmail.com

Topic: The Unification of System Requirements Engineering and Systems Architecting

Classically, System Requirements Development proceeds in collaboration with client and stakeholders from an implementation-independent perspective with little or no consideration of architectural alternatives. Once requirements development is complete, architects receive the fully developed set of requirements and develop the architecture for the required system. While theoretically appealing in certain ways, it has been observed that "stovepiping" of requirements and architectural processes often leads to problems such as having requirements ignored or limiting the capabilities of the architecture in unnecessary ways. This discussion presents the view that there is a natural unification of the Requirements Engineering and Systems Architecting processes. A pattern-based approach to systems architecture is used to show the structure of the integration between the Requirements Development and Systems Architecting Processes. It is suggested that a unified approach offers the best potential for creating high levels of client satisfaction in the system development process.

Biography:

Dr. Scott Workinger has 30 years experience leading organizations that create innovative, practical solutions to business problems and field working systems in a multi-disciplinary context. He has led multi-disciplinary analysis and innovative development efforts in complex, risk-laden environments in the fields of information technology, manufacturing, and construction engineering. He currently teaches courses on technical leadership, systems architecture, testing and evaluation, problem analysis and systems engineering. The students in his continuing education courses come from a broad cross section of backgrounds such as the US Navy, NASA, pharmaceutical companies, aircraft program management, and systems engineering consulting firms. He has a B.S in Engineering Physics from Lehigh University, an M.S. in Systems Engineering from the University of Arizona, and a Ph.D. in Civil and Environment Engineering from Stanford University. Scott has a passion for empowering next generation business processes through research, application, and teaching. .

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Food Donation: FREE for members; \$4 for non-members.

For more information, contact:

Dana Anderson, 408-742-2286, (dana.r.anderson@lmco.com) or

Danny Hahn, 650-966-2107, (danny.hahn@incose.org) or

Dorothy McKinney, 408-742-8790, (dorothy.mckinney@lmco.com).

For information about this mailing list please visit <http://www.incose.org/sfbac/mail.html>

The mission of the International Council on Systems Engineering (INCOSE), a non-profit professional society, is to "foster the definition, and practice of World Class Systems Engineering in industry, academia, and government."

The SF Bay Area Chapter presents thought-provoking monthly programs for its members and their guests. Learn about INCOSE at <http://www.incose.org>.