

## Tuesday Evening Monthly Program – January 12, 2010

5:30 pm Board of Directors Meeting, Social Half-Hour and Snack.  
6 - 7:00 pm Presentation followed by questions.



Place: Santa Clara University  
Bannan Engineering  
**Building 404**, Bannan Engineering Conference Room #230

Santa Clara University Campus Map Directions, including Transit information

<http://www.scu.edu/map/index.cfm?i=5>      <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.

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

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

For more information, contact:

Dave Mason, 408-742-0688, ([david.mason@incose.org](mailto:david.mason@incose.org)) or

Chin-An Cheng, 650-354-5913, ([chinan.cheng@incose.org](mailto:chinan.cheng@incose.org)) or

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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>.



**Speakers: Andrew Roman**

VP of Engineering  
MRA Technologies, [www.mra-tech.com](http://www.mra-tech.com)

**Topic: What Every Systems Engineer Needs To Know About  
Modern Supply Chain Management.**

Today's Modern Supply Chain (SC) is so critical to our jobs and our daily life, that every one of us not only interfaces with the SC, but also has a job that depends on some aspect of the dynamics in the SC, and therefore has a serious stake in assuring its continued success. Andrew will present several models of the elements of the SC, and will focus in on the transactional systems activities ongoing up and down each stage of the SC. Andrew's presentation focuses upon the interfaces between the different fundamentals stages of today's Modern SC, from the integrative perspective of Systems Engineering Practices with a spin on using the modern practices and tools of Operations Management.

Issues that will be analyze and discussed in this presentation will include:

1. How SCM provides critical economic goods and services to all of us as consumers in our nation's and also in today's world markets.
2. What is the flow of the different dynamic movements and inputs up and down the SC that are crucial to the nonstop sustained success of the SC.
3. Understanding why our modern Supply Chain is so vital to the continued existence of all of our jobs today in our nation's and the world's economy.
4. Recognizing and effectively managing some of the current phenomena and risks in today's SC, and how modern tools of Operations Management and Logistics are used in dealing and coping with SC events.
5. Effective methods of how to avoid some of the potential failures in SCM and why as systems engineers we need to be concerned with the dynamics of the SC.

My goal is to have each INCOSE System Engineer find at least one SCM idea that can be taken from this presentation on SCM to take back and apply to their current job at their company.

**Biography:**

Andrew Roman has over 35 years of high technology industry experience in operations management, marketing and sales, and consulting for both domestic and international companies. For the past 15 years Andrew has been serving as VP of Engineering, CTO for MRA Technologies, a System Integrator company for Supply Chain Management System Solutions, focused on implementing Automatic ID Technologies for warehousing and material tracking logistics. Prior employers include management and executive responsibilities with TPS Electronics, Mylex Corp., Micronics, Cogito Systems, RAI International, Diablo Div. of Xerox, Control Data Corp., NCR Corp., and Owens Illinois Corp. In May '09 Andrew was awarded a MS in Industrial and Systems Engineering degree from the SJSU Graduate School of Engineering, with a double major in Supply Chain Engineering and in Service Systems Engineering. Other prior graduate degrees include an MBA from SJSU Graduate School of Business, and an MSEE from the University of Dayton. Andrew holds two undergraduate engineering degrees, a BSEE and also a BSME (IE) from the University of Toledo. Andrew also holds several certifications including: Six Sigma Black Belt, CPIM, CSCP. Andrew has also lectured at Golden Gate University Ageno School of Business in Operations and Supply Chain Management and Operations Management at the SJSU Lucas School of Business.