

Tuesday Evening Monthly Program – July 14, 2009

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, Second Floor Conference Room 230.

Santa Clara University Campus Map
<http://www.scu.edu/map/index.cfm?i=5>

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.

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

Web Conference Attendance is not available.

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

For more information, contact:

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

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

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

Dorothy McKinney, 408-742-8790, (dorothy.mckinney@incose.org).

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: Rajiv Kapur, Ph.D

Topic: Introduction to SEI's Capability Maturity Model Integration (CMMI) and its application in the service industry

This session will introduce participants to Carnegie Mellon's Capability Maturity Model Integration, a set of models used to implement and maintain organizational systems. This session will also discuss links between CMMI and systems engineering, advantages of using CMMI to design and implement organizational systems and a brief description of each CMMI process area. And finally we will discuss how to adapt CMMI process area models to service industry requirements; this will be buttressed by an example of how CMMI models and resulting tools and techniques have been adapted to a complex healthcare environment.

Biography:

Dr. Kapur completed his BS (Science) and BS (Chemical Engineering) from Indian Institute of Technology, Roorkee, India. He completed his MS and Ph.D. in Industrial and Systems Engineering from The University of Texas, Arlington.

Dr. Kapur has worked for 28 years in health care operational and computer systems. This includes working at Georgetown University Medical Center as CIO, Adventist HealthCare as Corporate CIO, Doctor's Community Healthcare as Sr VP of IT. Over the past six years Dr. Kapur has owned and operated Cura Consulting Solutions – a healthcare IT and Systems Engineering Consulting firm – in addition to being a Principal at CCI, a premier healthcare IT firm.

Dr. Kapur is currently adjunct Professor at San Jose State University's ISE Department. In the past he has taught at Wichita State University, University of Maryland, Virginia Tech University, Georgetown University and George Washington University.

Dr. Kapur is noted as a healthcare systems and IT expert in the US. He developed and implemented the nation's first 4th Generation Language based EMR (Electronic Medical Record) and CPOE (Computerized Provider Order Entry) and presented his findings in several European healthcare conferences. He is currently working with private and federal officials to assist with the President's Federal healthcare IT initiatives.

And lastly Dr. Kapur has adapted Carnegie Mellon's CMMI to healthcare (principally Maturity Levels 2 and 3). His work has resulted in techniques that link desired outcomes to system design and implementation by optimizing workflows, system design, technical requirements and user training.