LA INCOSE

NEWSLETTER

Los Angeles Chapter of INCOSE
www.incose-la.org

Issue No. 3 March, 2002

COMING EVENTS

Saturday, April 13th
Tutorial

Capability Maturity Model Integration (CMMI),
Thomas Kudlick, Synchro Cubed

Time
8:00 AM to 5:00 PM;
Registration begins at 7:30 AM

Location
Radisson Hotel at Los Angeles Airport
6225 West Century Boulevard
Los Angeles, CA 90045
(310) 670-9000

Registration
Allan McInnes at 310-336-1871
or at allan.i.mcinnes@aero.org

Tuesday May 14th
Dinner Meeting

Myron Hecht
Liability issues in Systems Engineering

Time
5:30 pm to 8:00 pm

Location
JPL
Pasadena

Reservations
Susan Ruth

Saturday, June 8th
Mini-Conference

Theme
Systems Engineering a Global Discpline

Keynote Speaker
Dr. Paul MacCready

Location
Boeing Facility
Long Beach

From the President
Systems Engineering Training
Michael E. Krueger

The LA Chapter has hit the ground running this year. Our website is now active, **www.incose-la.org,** our program is on track with the upcoming dinner meetings, tutorials and our mini-conference. Your Board is doing a phenomenal job. Ron Williamson has done a great job in getting our website up and running. Many thanks to Ron for his persistence and hard work.

This month we hosted the Object Oriented Systems Engineering Methodology tutorial. We had 56 in attendance and Sanford Friedenthal was our guest lecturer. Feedback from the attendees was very positive. Thanks goes to Saul Miller, Allan McInnes, and Scott Jackson for pulling the tutorial together and making it a tremendous success.

THIS IS ONLY THE START!

In March, we will be having Col. Gerald Adair, Chief Engineer, AF Space and Missile Systems Center, as our dinner speaker. In April, our next major event will be our second tutoral on the Capabilities Maturity Model Integration (CMMI) given by our own Tom Kudlick. Those involved with process improvement need to attend. Next will be our 1 day mini-conference Saturday, June 8th at the Boeing facility in Long Beach where our keynote speaker will be Dr. Paul MacCready, Chairman AeroVironment and designer of the first sustained, controlled human-powered flight across the English Channel. There will be over 20 presentations in 4 tracks and a panel discussion on Systems Engineering for space applications. This will be a chance to preview some of the papers that will be given at the 2002 INCOSE annual symposium.

WHAT A LINE UP!

Tutorials, dinner meetings, and the mini-conference are very important. These activities are designed to support you, our members. We are a resouce and collectively we help each other. In working togther this way, we all benefit. If you have not yet had the opportunity to get involved, the following are a few things you can do:

- Post our program in your office
- Forward the INCOSE email to your friends and other orgnizations
- Get the word out! Now that our website is up, send the URL to someone who might benefit from the INCOSE program.
- Attend our next dinner meeting, tutorial and mini-conference

This is exciting stuff, and you can be involved at many levels. If you want to get more involved there are opportunities for helping out with various dinner speaker meetings, the mini-conference and tutorials.

I look forward to seeing you at one of our INCOSE events.

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INCOSE International News:

For complete up to dated INCOSE news please access **www.INCOSE.org.**

Annual INCOSE Symposium July 28- Aug 1, 2002 in Las Vegas, Nevada.

News from the 2002 International Workshop:

We had great board representation at the International workshop! Six of our Board members attended:

Michael Krueger
Katy Kuey
Scott Jackson
Mike Dickerson
Tom Kudlick
Dave Beshore

Workshop highlights:

APP-233. This is a standard which has been adopted. It establishes a standard protocol between tools which need to communicate with each other. Tools may include requirements management tools and tools used by other organizations, such as supplier management or manufacturing.

CMMI and EIA 731. Most of the discussion centered around whether INCOSE wanted to support EIA 731 in view of the fact that it appears to be receiving support from EIA to become a full standard, as was reported during the Technical Board meeting by the INCOSE liaison (Jerry Fisher) to EIA G-47, and is rapidly being replaced by CMMI in other venues. The unofficial consensus is that INCOSE would like EIA 731 to sunset. Nevertheless, INCOSE will continue to support a liaison to it.

INCOSE SE Handbook. Version 2.0 of this handbook was officially released and is on the INCOSE web site or shortly should be.

SE Body of Knowledge (SEBOK). This is a web based compendium that is in draft. A version will shortly be on the INCOSE web site. This version is called the ¾ version since one of the four major parts has not been developed yet.

Requirements Engineering Working Group (REWG) is developing a requirements engineering model framework that will be used for future products from that working group. Go to www.incose.org.rwg for latest projects and good requirements papers. REWG is looking for Chapter help to complete the requirements model. Please contact Regina Gonzales at rgonzales@altechsvcs.com if you would like to work on this project.

Tuesday, March 12th Dinner Meeting

Speaker: Col. Gerald Adair, Chief Engineer, Space and Missile Systems, Los Angeles Air Force Base

Title: The New Role of Integrated Program Assessment

Abstract: This presentation is based on efforts to evaluate the requirements and implementation of Systems Engineering as described by both the Department of Defense and the National Reconnaissance Organization. Then describes its evolution towards a common, improved practice of Systems Engineering. One of the methods currently used is the Integrated Product Team (IPT), and planned evolution to be an Integrated Program Assessment (IPA). This presentation will describe the IPA and focus on the transition from IPTs to IPA and particularly its effect on the practice of Systems Engineering by both the Air Force and industry. It will also be necessary for all disciplines to understand IPA to more effectively perform their roles.

Biography: Col. Adair has a Bachelor of Science in Engineering from San Jose State University and a Master's degree in Procurement Management as well as additional education from the Defense Systems Management College, the Air War College, the Air Command and Staff College and Squadron Officer College. He has served in the U.S. Air Force since being commissioned in 1974 through the San Jose State University's Reserve Officer Training Corps program. Assignments have been primarily in the realm of space and missile systems and include Missile Combat Crew Commander, System Branch Chief for Space Defense Systems at Cheyenne Mountain, a Strategic Systems Analyst at Air Force Headquarters, Space and Strategic Defense Planner for the Office of the Joint Chief of Staff, a space system Mission Director, Deputy Director of the Electronics System Command's Software Center, Director of Technology and Industrial Support Directorate and Chief of Planning and Analysis in the Development Planning Directorate. He assumed his current position of Chief Engineer of the Space and Missile Systems Center in September of 2001.

Directions to Aerospace:
From the 405 Fwy, exit El Segundo Blvd:

If you are southbound on the 405, turn left at the bottom of the offramp (La Cienega) and then turn right (west) at the signal (El Segundo), go past Aviation and make a "U" turn at Douglas (the turn in to Aerospace is not allowed 3pm-6pm) and turn right to enter the main gate. Parking is to the right in any parking spot.

If you're northbound on the 405, turn left (west) at the bottom of the offramp onto El Segundo. Continue past Aviation to Douglas and make a "U" turn (the turn in to Aerospace is not allowed 3pm-6pm) and turn right to enter the main gate. Parking is to the right in any parking spot.

From the I-105 Fwy, exit Nash:

Go south on Nash (one way south) to El Segundo, turn left on El Segundo and then turn right into the Aerospace main gate (turn in is just past Douglas). Parking is to the right in any parking spot.

Saturday, April 9th
Tutorial
CAPABILITY MATURITY MODEL INTEGRATION (CMMI)

Date: ***Saturday, April 9, 2002***
(reservations by April 6, reservation information below)

Time: 7:30 Registration - Tutorial start 8:00 am - 5 pm

Location: Radisson Hotel at the Los Angeles Airport, 6255 West Century Blvd. 310.670.9000 (directions below)

Cost: Members-$80, Non-members- $100 (includes a continental breakfast and lunch, please let us know if you have special dietary needs)

Parking: $5 self park, $7 valet parking

RSVP: Allan McInnes at 310-336-1871 or at allan.i.mcinnes@aero.org

ABSTRACT: CMMI contains the elements for effective processes in the disciplines of Systems and Software Engineering. Elements are also contained for the effective implementation of Integrated Process and Product Development. CMM models provide for a simplified representation of the real world and CMMI provides two representations. A staged representation that stresses organizational maturity and a continuous representation that stresses process maturity.

This tutorial will introduce participants to CMMI by providing a history of the model development and its comparison to EIA/IS-731. The structure of the two representations will be presented with their strengths and weaknesses. An overview of the process areas and the assessment method will also be presented.

LECTURER:

Thomas Kudlick's experience in engineering management process implementation encompasses many industries including automotive, aerospace, telecommunications, information technology and energy generation. He is President of Synchro Cubed, an engineering management consulting company and works with clients world wide in improving their engineering process implementation. Mr. Kudlick is an authorized CMMI trainer and assessor and was the leader of the first assessment of an organization to achieve the highest CMMI maturity level. He has also been active in the INCOSE LA Chapter serving as both chapter president and the Exhibits Chair for the upcoming INCOSE Symposium in Las Vegas.

REGISTRATION FORM

Name_____
Position _____
Company_____
Member # (if known)_____
Mailing Address_____
_____
_____
Day Phone _____
Fax _____
Email _____

Mail completed form and check made out to "INCOSE-LA"
(INCOSE-LA Chapter Tutorial) c/o Mr. Allan McInnes)
Aerospace Corporation
P.O. Box 92957
Mail Stop M4-922
Los Angeles, California 90009-2957

Check mark - the amount enclosed
INCOSE Member ($80 Tutorial Fee) _____
Non-Member ($100 Tutorial Fee) _____
2002 INCOSE Membership and Tutorial Registration For Non Members ($120) _____

INCOSE News

Return Address:
899 E. Mango St.
Brea, CA 92821

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The International Council of Systems Engineering (INCOSE) is an organization formed for the purpose of advancing the art and science of systems engineering in various areas of the public and private sectors. The Los Angeles Chapter meets several times per year for dinner meetings, and additionally sponsors tutorials and other activities of interest to those in the systems engineering field or related fields. L. A. Chapter Officers are as follows:

President:	Michael E. Krueger – mekrueg@pacbell.net
Vice-President:	Katy Kuey – katy.kuey@lmco.com
Past President:	Dave Beshore – David_G_Beshore@raytheon.com
Treasurer:	Marsha Weiskopf – marsha.weiskopf@aero.org
Secretary:	Scott Jackson – scott.jackson@boeing.com
Membership:	Susan Ruth – susan.c.ruth@aero.org
Programs/Speakers:	Michael L Dickerson – michael.dickerson@jpl.nasa.gov
Ways and Means:	Thomas Kudlick – synchrocubed@aol.com
Tutorials/Education:	Saul D. Miller – saul.miller@aero.org
Communications:	Ronald Williamson - ronald.w.williamson@aero.org

Those interested in INCOSE membership please contact contact Susan Ruth.
Those interested in working on a committee please contact the appropriate Director.