

## Los Angeles Chapter of INCOSE

### COMING EVENTS

#### INCOSE-LA

##### HOLIDAY PARTY

You're invited to a casual Holiday Party sponsored by INCOSE. As you know, one of the most helpful career aids is the ability to meet and get to know other people. NOW's your chance! Spouses and guests are welcome, the more the merrier.

If you want to, bring along your favorite beverage and or snack (though we will have plenty of food and drink available)

A great way to start your holiday season.

Come, relax and enjoy yourself at the LA INCOSE Holiday Party. It's an opportune time to meet and converse with other systems engineers and their guests.

If it's cool enough, we'll have a fire in the fireplace; if it's warm enough we'll sit outside on the deck overlooking the La Habra Heights valley. Either way, we'll be barbecuing ribs as well as having plenty of other goodies to snack on.

**Sunday Afternoon, December 2nd**  
**RSVP - Susan Ruth**  
**by November 30th.**  
**Email or Phone**  
**susan.c.ruth@aero.org**  
**310-336-6765**

**Time:**  
 1:00 PM - 4:00 PM

**Location:**  
 Home of Susan Ruth  
 16604 Monte Oro Dr.  
 Whittier, CA 90603-1639  
 Phone 562-947-1772

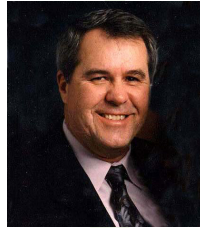
See Page 4 for Directions

#### INCOSE-LA Chapter Tutorials

Saturday February 9, 2002  
 Object Oriented Systems Engineering  
 Sanford Friedenthal

Issue No. 3

November, 2001



**From the President**  
**Ties to INCOSE International**  
**Michael E. Krueger**

One of our goals this year, as described in our September newsletter, is to continue our close relationship with INCOSE International. We can do this by providing our Chapter members opportunities to be involved at the International level.

In this Issue, Scott Jackson will describe the Systems Engineering Applications Technical Committee that he Chairs and how you as a member can get involved.

Scott is our Chapter Secretary, teaches Systems Engineering at USC, works at Boeing in Long Beach and has written a book "Systems Engineering for Commercial Aircraft" currently in print.

*Michael E. Krueger*

#### Getting Involved at the International Level: The Systems Engineering Applications Technical Committee (SEATC)

**Scott Jackson, SEATC chair**  
 sncjxxn@yahoo.com

The Systems Engineering Applications Technical Committee (SEATC) is devoted to the philosophy that the practice of systems engineering (SE) in each domain will be different but that the basic principles of SE will remain intact. SEATC is the only technical committee devoted to the application of systems engineering in specific domains.

**SEATC Products.** What do SEATC WGs and IGs produce? Their role is to produce products which will assist in the practice of systems engineering in all domains. In general, WGs and IGs can produce manuals, handbooks, and guidebooks. Or they can produce panels, papers and tutorials at symposia.

**SEATC Operations.** How do SEATC WGs and IGs operate? Do you have to be able to travel to symposia and workshops to participate? Definitely not. Although WGs and IGs do have meetings at INCOSE symposia and workshops, such as the International Workshop in Phoenix in February, most WGs and IGs do all their work by telecon. This policy enables everyone to participate whether or not their companies will pay for them to travel. The Joint Commercial Aircraft Working Group (JCAWG) has weekly telecons.

**SEATC Organization.** SEATC is divided into three segments (Transportation, Public Services, and Resources). Each segment has within it a number of WGs and IGs which may be of interest to you. The segments and WGs and IGs are as follows:

## Transportation Segment

The WGs and IGs for the Transportation Segment are as follows:

**The Joint Commercial Aircraft Working Group (JCAWG).** JCAWG is one of the most active working groups. It is a broadly based group from industry and government and has is focused on the development of a systems engineering framework for the aircraft domain. The chair of this working group is Greg Mathers (greg.mathers@boeing.com). Results to date can be found on the INCOSE web site ([www.incose.org](http://www.incose.org)).

**The Motor Vehicles Interest Group (MVG).** The MVIG is devoted to the application of systems engineering to the automotive industry. Activities have included symposium panels. The chair is Paul Berry (pberry1@ford.com).

**The Railway Transportation Interest Group (RTIG).** The RTIG is interested in the practice of systems engineering in all types of railway systems. Although this group is centered in the UK, it is open to members from all countries. Many papers and panels have been produced by this group. John Williams (jsw@netcomuk.co.uk) is the chair.

**The Intelligent Transportation Systems Interest Group (ITSIG)** Intelligent Transportation Systems is the application of computers, software, communications, sensors and information to improve the quality and mobility of the traveler on the nations transportation system (ground, transit, Commercial Vehicles) and to improve the goods movement through the system. It is the interest of this group to apply systems engineering to ITS. The Chair is Michael E. Krueger (mekrueg@pacbell.net)

## Resources Segment

The WGs and IGs for the Resources Segment are as follows:

**The Commercial and Public Interest Working Group (CPIWG).** The CPIWG is a broadly based working group which does not address any specific domain. Its main product has been the *Systems Engineering Applications Profiles (SEAP)*. The chair is Jerry Bauknight (g.bauknight@ieee.org).

**The Environmental Systems Working Group (ESWG).** ESWG focuses on how systems engineering can be used to address environmental issues. This group recently organized a panel discussion at the 2001 Symposium in Melbourne, Australia. Co-chairs are Ralph Hill (ralph\_hill@ymp.gov) and Jerry Bauknight (g.bauknight@ieee.org).

**The Intelligent Enterprise Working Group (IEWG).** The concept of an organization as a system is a hot topic today and is the focus of the IEWG. Furthermore, the IEWG is delving into the ways that the practice of systems engineering can evolve rapidly enough to treat the new domains. This WG is the embodiment of the philosophy that SE is an ever evolving discipline. The point of contact is Jack Ring at jring@amug.org for more information.

**The Infrastructure Systems Engineering Working Group (ISEWG).** The ISEWG deals with infrastructure in the broad sense: highways, water systems, etc. etc. Contact chair Pat Sweeney (pat.sweeney@arnold.af.mil) for more information.

## Public Services Segment

The WGs and IGs for the Public Services Segment are as follows:

**The Space Systems Working Group (SSWG).** The use of systems engineering in the space domain is of special interest to members in the LA area with a multitude of organizations already in that domain. The collaboration of the SSWG with the LA chapter is a subject of special interest in LA. The SSWG chair is LA chapter member Dave Durham (david.m.durham@jpl.nasa.gov).

**The Telecommunications Working Group (TELWG).** The TELWG is devoted to the practice of systems engineering in the telecommunications domain and has produced many papers and panels at various symposia. The chair is Martin Warner ([mw15@lucent.com](mailto:mw15@lucent.com)).

**Health Care Interest Group (HCIG).** The HCIG deals with both health care treatment and the development of medical systems. A particular focus of interest is telemedicine. Contact chair John Zaleski (john.zaleski@smed.com) for more information.

**Community Practices Interest Group (CPIG).** The CPIG uses the principles of systems engineering to address the needs of the community. For more information, contact chair Morgan McCartor at ketutmorgan@yahoo.com.

## On the Web

To find out more about SEATC go to [www.incose.org](http://www.incose.org) and explore the Technical Community sites. You will find there the Systems Engineering Applications Profiles (SEAP) document. You will find the mission statement for the WGs and IGs and the chairs and co-chairs.

Also on the web you will learn about the International Workshop in Phoenix February 3-7. Here you will be able to meet other systems engineers interested in your application. But if you can't make it to Phoenix, join a WG or IG anyhow.

## Los Angeles Chapter of INCOSE Calendar 2001-2003

<b>Nov 2001</b> 13 <sup>th</sup> Dinner Speaker Dick Croxall System Engineering in the wake of September 11.	<b>Dec</b> 2 <sup>nd</sup> INCOSE Holiday Party – RSVP Susan Ruth	<b>Jan 2002</b> 8 <sup>th</sup> Dinner Speaker Meeting
<b>Feb</b> 3 <sup>rd</sup> -7 <sup>th</sup> INCOSE International Workshop 9 <sup>th</sup> Tutorial Sanford Friedenthal Object Oriented Systems Engineering	<b>Mar</b> 12 <sup>th</sup> Dinner Speaker Eberhardt Rehtin 23 <sup>rd</sup> Michael E. Krueger SE Fundamentals	<b>Apr</b> 13 <sup>th</sup> Tutorial Tom Kudlick CMMI
<b>May</b> 14 <sup>th</sup> Dinner Speaker Myron Hecht Liability issues in Systems Engineering	<b>Jun</b> 7 <sup>th</sup> -8 <sup>th</sup> LA Chapter Mini- Conference	<b>Jul</b> 28 <sup>th</sup> -31 <sup>st</sup> INCOSE Annual Symposium
<b>Aug</b> 1 <sup>st</sup> INCOSE Annual Symposium 17 <sup>th</sup> Michael E. Krueger SE Fundamentals	<b>Sep</b> 10 <sup>th</sup> Dinner Speaker Mike Dickerson	<b>Oct</b> 12 <sup>th</sup> Tutorial
<b>Nov</b> 12 <sup>th</sup> Dinner Speaker Ken Salter 23 <sup>rd</sup> Michael E. Krueger SE Fundamentals	<b>Dec</b> No Events Scheduled	<b>Jan 2003</b> 14 <sup>th</sup> Dinner Meeting
<b>Feb</b> INCOSE International Workshop	<b>Mar</b> 15 <sup>th</sup> Tutorial 22 <sup>nd</sup> Michael E. Krueger SE Fundamentals	<b>Apr</b> 8 <sup>th</sup> Dinner Speaker

### New and Renewing Los Angeles Chapter Members October-November:

We would like to welcome the following new and renewing members to the LA Chapter of INCOSE.

Paul Cudney	Lockheed Martin	Glenn Johnson	JPL/NASA
Laverne Currie	Boeing	Philip Kent	Northrop Grumman
Roland Duphily	Aerospace	Judy Kerner	Aerospace
Robert Folsom	Boeing	Tom Peterson	Boeing
Raymond Hemann	Advanced Systems Research Inc	Arnold Roth	Aerojet
David Hickman	Aerospace	John Velman	
Nelda Howell	Boeing	Ronald Williamson	Aerospace

## Holiday Party Directions:

### General Location:

Centered between the 60 and 91 Fwys and the 605 and 57 Fwys, relatively close to the corner of Beach and Whittier Blvds.

### From the 91 or 5 Fwys

Take Beach Blvd north quite a ways to Whittier Blvd and turn west (left) until you get to Valley Home.

### From the 605 Fwy

take either the Whittier Blvd or Washington Blvd exits and head east (they eventually merge and become Whittier Blvd) until you get to Valley Home.

### From the 60 Fwy

Take the Hacienda Blvd exit and head south (up and over the hill) to Whittier Blvd and turn west on Whittier to Valley Home.

### From the 57 Fwy

Take the Lambert exit and travel west and then turn north on Beach Blvd followed by west on Whittier Blvd to Valley Home.

### FROM VALLEY HOME (the LA-Orange County line),

Turn north (up hill) until it dead ends in a couple of blocks at Janine. Turn right on Janine, then left at the first street which is Shiloh, then left on Emerado, the left UP Monte Oro. You can park here at the cul de sac by the mailbox, or continue up to the top and park in the driveway, it is the center house at the top of the hill.

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:

<b>President:</b>	Michael E. Krueger – michael.krueger@transcore.com
<b>Vice-President:</b>	Katy Kuey – kathy.kuey@lmco.com
<b>Past President</b>	Dave Beshore – David_G_Beshore@raytheon.com
<b>Treasurer:</b>	Marsha Weiskopf – marsha.weiskopf@aero.org
<b>Secretary:</b>	Scott Jackson – scott.jackson@boeing.com
<b>Membership:</b>	Susan Ruth – susan.c.ruth@aero.org
<b>Programs/Speakers:</b>	Michael L Dickerson – michael.dickerson@jpl.nasa.gov
<b>Ways and Means:</b>	Thomas Kudlick – synchrocubed@aol.com
<b>Tutorials/Education:</b>	Saul D. Miller – saul.miller@aero.org
<b>Communications:</b>	Edwetta Currie – Edwetta.Currie@West.Boeing.com

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