



# NEWSLETTER

Vol. 5: Issue No. 6

November



## 2008 INCOSE-LA Election Issue



### UPCOMING EVENTS

#### INCOSE-LA Holiday Party

**Location**

Szechwan  
926 N. Sepulveda Blvd.  
Manhattan Beach, CA 90266

**Date & Time**

Saturday, December 8, 2007  
5:30 - 9:00 p.m.



#### 2008 INCOSE International Workshop

**Location & Date**

Embassy Suites  
Albuquerque, New Mexico  
January 26-29, 2008

#### Conference on Systems Engineering Research (CSER) 2008

**Location & Date**

Crowne Plaza Hotel  
Redondo Beach, California  
April 4-5, 2008

#### 2008 INCOSE International Symposium

**"Systems Engineering for the Planet"**

**Location & Date**

Utrecht  
The Netherlands  
San Diego, CA  
June 15-19, 2008

## INCOSE-LA Elections 2008

The Nominations and Elections Committee is pleased to present the 2008 slate of candidates for elected offices on the INCOSE-LA Board of Directors. Thank you to those who have agreed to run for office and to the many persons who have considered holding office in the Los Angeles Chapter of INCOSE.

As active members of the Los Angeles Chapter of INCOSE, you are being requested to vote on this slate of candidates. Voting will be conducted via the INCOSE-LA website at <http://www.incose-la.org/temporary/vote/voting2008.htm>. The voting booth will open on December 1st and will close on December 31st. Thank you for your participation.

### Candidate for President (One-Year Term)



**John "David" Boyd** is currently the INCOSE-LA Chapter Vice President and he has been with the Chapter since 2004. As a member, David volunteered for various mini-conferences, Conference on Systems Engineering Research (CSER) 2006, CSER 2008 and served as Chapter Secretary. In 2007, he and a dedicated team of volunteers worked together to offer webcasting of the chapter's monthly speaker meetings. One of his goals for the chapter is to continue to help members, potential members and local companies realize and use the value of INCOSE as a resource for systems engineering knowledge and as an opportunity to network with the talented engineers that comprise INCOSE.

David is a Senior Software Systems Engineer at SAIC and he is working within Boeing's Software IPT on its C-130 Avionics Modernization Program (AMP). He is currently 1 of 13 engineers on the qualification test team that is responsible for formal qualification test of the operational flight plan (OFP). In his prior years, he worked as a systems engineer on projects such as GE's Advanced Automated Train Control System for BART, traffic control systems in Southern California and nuclear plant monitoring systems. David received his Bachelors in Aerospace Engineering from The University of Texas at Austin in 1990. He began his career at Norfolk Naval Shipyard working as a nuclear test engineer on Nimitz-class aircraft carriers such as the USS Roosevelt and the USS Eisenhower.

### Candidate for Vice President (One-Year Term)

**Eric Belle** currently serves as a Section Manager for the Systems Development Center at Raytheon's Space and Airborne Systems in support of the Advanced Concepts and Technology



area. His experience includes a broad background of systems related activities over the entire life cycle of a number of different systems within the automotive and aerospace & defense industries. These assignments range from managing automotive electronic circuit board production for a German based supplier in Barcelona, Spain, coordinating test activities for a Japanese space based electro optical sensor, to providing field support for a surveillance radar in Saudi Arabia during Operation Desert Storm.

A member of INCOSE since 2002, Eric has recently served as the Newsletter Editor of the INCOSE-LA chapter for the past 2 ½ years. Eric has a BSEE from UCLA, an MBA from the University of Texas at Austin, a Diploma Kaufman (German Business Degree) from WHU Koblenz and a Graduate Certificate in Systems Engineering from USC.

**Candidate for Secretary (One-Year Term)**



**Beth O'Donnell**, Systems Engineer, has been a member of INCOSE since 2004. She has been active on the committees for the 2007 INCOSE-LA Mini-Conference and CSER 2008, and is also involved in the INCOSE Space Systems Working Group.

Beth currently works for The Boeing Company, Phantom Works Strategic Development & Analysis as a Systems Engineer in Affordability. She has supported a variety of military and NASA proposals and programs, as well as internal development projects.

Beth received her Masters degree in Systems Architecting and Engineering from USC in 2002, her Bachelor's degree in Industrial Engineering from Cal Poly San Luis Obispo in 1985, and certificates from UCI in Leadership and Program Management.

**Candidate for Treasurer (One-Year Term)**



**Marsha Weiskopf** has over 20 years experience in Space Satellite and Communications Systems Engineering. Her initial work experience was as a contractor on Communications Payloads at Hughes Aircraft Co on Commercial and NRO satellite systems, and then at Martin Marietta Corp as a Systems Integrator on NRO programs.

Next, she joined The Aerospace Corporation and worked on Milsatcom Programs in the Systems Engineering Dept working Spectrum Management, and was then was promoted to the AF-SATCOM Project Lead. More recently, she has been the Systems Director of the International Space Technology Dept in Project West Wing - an Intelligence organization.

**Candidate for Tutorials / Education Director (Two-Year Term)**

**Shirley Tseng** is with MorganFranklin Advance Network Solu-



tions. Shirley has experience in space operations, ground systems, spacecraft systems, satellite networks with general system engineering, software engineering, and system architecture. Shirley is a graduate of the University of Pennsylvania with degrees in System Engineering and Wharton Economics. Shirley began her engineering career with satellite space operations and ground system development with GE (now Lockheed Martin Mission Systems). She joined Hughes Aircraft Corporation, Space Communication to work on MILSTAR spacecraft System Engineering, Hughes New Venture Organization to work on satellites technology and business service development on emerging satellite services, such as XMRadio and Spaceway systems. With MorganFranklin, Shirley supports customers such as NASA, the Navy, and Missile Defense Agency (MDA) with advance technology support, space mission and data services development, DODAF and JCIDS development, architecture and system development, network architecture, and tool environment development.

Shirley actively keeps up with many disciplines with membership and participation in numerous organizations. Shirley joined the INCOSE-LA chapter when it was first formed and is an active member attending most meetings and tutorials. Shirley has supported the prior two CSERs with publicity support. Shirley is also a member of AIAA (as a member of the AIAA Technical Committee on Space Operations and Support (SOSTC) as Conference Chair, Former Tools and Technology Chair), IEEE (Communication, Computer, Systems societies), ACM, SPIN, a|EA (Association of Enterprise Architects), IASA (International Association of Software Architects), user groups (Java, Cisco, ITIL, BEA, Linux). Shirley is on the conference committee for the IEEE Aerospace Conference and Communication and Navigation Track Chair for the conference.

**Candidate for Communications Director (Two-Year Term)**



**Lee-Ann Seeling** recently joined Innovative Media Solutions (IMS) as a Senior Program Manager being director of Intelligent Transportation Systems for Trichord, Inc. Her professional experience as a systems engineer began with Rockwell International's Strategic Systems, in the Nuclear and Directed Energy Effects group working on what most folks just called "Star Wars" during the Reagan years.

A transfer into the Advanced Systems Engineering group lead to assignments in system engineering analysis and program management.

In the mid-90's, she took advantage of the opportunity to move to a brand new industry, that of Intelligent Transportation Systems or ITS, where the challenge with applying system engineering techniques and sound program management practices was something new to the Transportation industry. The diversity of assignments encompassed systems engineering a 148 mile expansion to metropolitan Detroit's existing freeway operations center with a hybrid communication network, helping develop the National ITS Architecture Team for Federal Highway

(FHWA), and creating early deployment plans in Florida and Michigan. As a Program Manager for Iteris (formerly Odetics) in charge of day to day operations of the National ITS Architecture Team, Lee-Ann lead an extensive outreach program to transportation professionals across the nation in developing both regional and project architectures while updating the national architecture to reflect more integration opportunities.

She expanded her breadth of systems experience at the birth of another industry - the mobile Internet - as a Senior Project/ Product Development Engineer for Connexion by Boeing before re-joining the ITS world as Director of the west coast office of Trichord. Lee-Ann has a Bachelor of Science in Electrical Engineering and a Master's in Business Administration from UCLA. Her involvement with INCOSE includes serving as the Exhibits Co-Chair for the 2007 International Symposium and she also plays a key role for the INCOSE-LA newsletter.

**Candidate for Ways and Means Director (Two-Year Term)**



**Dana Pugh** is currently supporting GPS III risk reduction test projects as a mechanical engineer at Boeing Company. She previously supported the C-17 Program in Long Beach as a Systems Engineer and worked as a Design Mechanical Engineer for WGS RX & TX Block II. Dana has a Bachelor of Science degree in Aerospace Engineering, with a minor in Dance, from the University of California, San Diego, has obtained a Caltech Systems Engineering Certificate, and is currently pursuing a Master of Science degree in Astronautical Engineering at the University of Southern California. She's a Dale Carnegie graduate and a three-time Dale Carnegie graduate assistant.

Dana has held many organizational positions: 2005 INCOSE-LA Mini-Conference Treasurer, 2006 BEAGLES-LB Secretary - Ally, 2006 Conference on Systems Engineering Research (CSER) Audio Visual Coordinator, 2006-2007 Yuri's Night Committee, 2006-2007 Engineering Week Committee, 2006-2007 INCOSE Chapter Awards Chair, 2007 BEAGLES-ELS Vice President. She also supports and participates in AIAA, INCOSE-LA, AES, BAAPA, BWIL, BHEN, BBEA, and SWE.

***November 13  
Speaker Meeting Report***

*Jorg Largent*

The Los Angeles Chapter of INCOSE is reaching out to members throughout the Los Angeles area with monthly speaker meetings. In order to better facilitate these meetings, the chapter has been utilizing remote sites for those who cannot make it to the primary location in the Los Angeles Basin. INCOSE members living and working in the Antelope Valley, including members from NASA, Northrop Grumman and Lockheed Martin, have participated in the meetings via the internet and telephone, sharing in the benefits of discussing applications of the Systems

Engineering process and strengthening fellowship within the profession locally. In addition to enjoying the speaker meetings, INCOSE members in the Antelope Valley have used the meetings as a spring board to support the rocket club and Project Lead the Way at Pete Knight High School in Palmdale, with the potential to support the development of other budding young engineers in other high schools in the Antelope Valley.

***2007 INCOSE-LA Board of Directors Year End Summary***

The 2007 INCOSE-LA Board of Directors would like to thank the following speakers from this years' Speaker Meetings and the INCOSE-LA Mini-conference held at Loyola Marymount University. Each of our speakers and panel members were presented with either an engraved INCOSE pen or clock as a token of our appreciation:

**Monthly Speaker Meetings**

- Hans-Peter Hoffmann, Ph.D., Telelogic
- Scott Jackson, University of Southern California
- Ricardo Arteaga, Northrop Grumman
- Dr. Edmund Conrow, Risk-Services.com, Consultancy
- Beryl Bellman, PhD  
Academic Director of the FEAC Institute
- The JPL Project Team of Ross Jones, P.A. "Trish" Jansma,  
Mary Ellen Derro, Margaret "Peggy" Burns, and Kristine Blom
- Dr. Scott Workinger, Sr. Associate,  
Honourcode, Inc
- Jeff O. Grady, INCOSE Fellow  
President, JOG System Engineering, Inc
- J. Gregory Goldasich & Jeff Gooding,  
Southern California Edison
- Anna Warner, The Boeing Company

**INCOSE-LA Mini-conference Speakers:**

- Keynote Speaker: Neil Siegel, Sector Vice President,  
Technology, Northrop Grumman Mission Systems
- Dr. David Gorney, V.P., Space Programs Operations,  
The Aerospace Corporation
- Jorg Largent,  
Lead B-2 Systems Engineer, Northrop Grumman Corporation
- Jean Gebman, RAND
- Mr. Al Hoheb, Principal Engineer,  
The Aerospace Institute, The Aerospace Corporation
- Mr. Scott Jackson, University of Southern California
- &
- The INCOSE-LA Mini-conference Panel Members

## Message from the President

There will be a INCOSE-LA Board of Director's Meeting on December 9. Any members-at-large that wish to attend the meeting are invited to contact Jim Manson, INCOSE-LA President, at [president@incose-la.org](mailto:president@incose-la.org).

## 2007 INCOSE-LA Holiday Party

### Location

Szechwan  
926 N. Sepulveda Blvd.  
Manhattan Beach, CA 90266

### Date & Time

Saturday, Dec 8,  
5:30 pm to 9:00 pm

The INCOSE-LA Board and Officers cordially invite the members and a guest to the annual holiday party. This year's party will be buffet style featuring a no-host bar in the South Bay area. Relax and enjoy the holiday season, get to know some of your fellow INCOSE members and friends and their guests.



For planning purposes, it is requested that you please RSVP via email to Paul Su, at [registration@incose-la.org](mailto:registration@incose-la.org), or call 310-336-2602 by December 7.

### The Board and Officers wish to welcome the following new members in the Los Angeles Chapter of INCOSE:

Note: The information listed below is pulled from the member directory and is based upon your initial membership application. If the information is not correct or complete, then please access the member directory (at [www.incose.org](http://www.incose.org)) to update your information.

| Name                | Title                                      | Company                     |
|---------------------|--|-----------------------------|
| Kevin Balmforth     | Technical Director                         | The Boeing Company          |
| Dr. Duane Bates     | President                                  | The Japeth Corporation      |
| Nelson Benitez-Ruiz | Senior Engineer                            | Raytheon                    |
| Ralph Boaz          | President                                  | Pilar Consulting, Inc.      |
| Gary Cabanayan      |  | US Air Force                |
| Saul Cobian         | CNC Engineer                               | CEF/Fencing                 |
| Doug Evans          | Engineering Manager                        | Leach International         |
| Scott George        | Principal Systems Engineer                 | LinQuest Corporation        |
| Mark Gister         | Hardware Design Engineer                   | St Jude Medical             |
| Janis Hebermehl     | System Architecture & Definition - Manager | Boeing                      |
| Michael Holmes      | Associate Director                         | The Aerospace Corporation   |
| Scott Huseth        | Computer Scientist                         | NSWC Corona                 |
| James Knauf         | Associate                                  | Booz Allen Hamilton         |
| Scott Lewicki       |  | NASA JPL                    |
| Suqing Li           |  | Alfred Mann Foundation      |
| Omar Lopez          | Student                                    | Cal State—Fullerton         |
| Plotkin Yevgeny     | Student                                    | Loyola Marymount University |
| Harvey Soldan       | DSN Telemetry System Engineer              | Jet Propulsion Laboratory   |
| Kathryn Weiss       |  | Jet Propulsion Laboratory   |

## INCOSE LA Chapter NEWSLETTER

Vol. 5: Issue No. 6 November 2007



**CSEA**  
**CONFERENCE ON SYSTEMS  
 ENGINEERING RESEARCH**  
**An International Conference**

# Conference Announcement

**Sixth Annual Conference on  
 Systems Engineering Research**  
 April 4-5, 2008 Los Angeles, California  
 Crowne Plaza Hotel, Redondo Beach  
<http://www.incose-la.org/cser2008/>

## CSER Collaboration

Professor Stan Settles; Director of Systems Architecting and Engineering Program, USC  
 Professor Dinesh Verma; Dean of Systems Enterprise School, Stevens Institute of Technology

## CSER 08 Management Team

Dr. George Friedman, USC, General Chair  
 Dr. Malina Hills, Aerospace Corporation, Conference Management Chair  
 Dr. Azad Madni; Intelligent Systems Technology, Technical Chair

## Plenary Speakers

Dr. Pat Hale; MIT, INCOSE President  
 Paul Gartz, Boeing, IEEE Systems Council president  
 Professor Barry Boehm, Director of Center for Systems and Software Engineering, University of Southern California  
 Professor Andy Sage, Editor in Chief, *Systems Engineering*, George Mason University  
 Dr. Azad Madni, CEO Intelligent Systems Technology, Inc  
 Dr. Donna Rhodes, MIT, Director SEANET and SEARI  
 Samantha Brown, BAE, INCOSE director: Technical Leadership Team  
 Dr. Elliot Axelband, Rand Corporation, Chair, Executive Round Table.

## Banquet Speakers

William F. Ballhaus, Sr., President Beckman Instruments (ret)  
 William F. Ballhaus, Jr., CEO Aerospace Corporation  
 William L. Ballhaus, President, BAE Network Systems

## Breakout Speakers

Over 60 presented papers plus poster sessions from abstract reviews and PhD candidates from the April 3 SEANET meetings.

## Technical Program

Dr. Azad Madni, Chair, Conference Technical Program  
 Chief Executive Officer  
 Intelligent Systems Technology, Inc.  
 Santa Monica, California 90405  
 Tel: 310-581-5440 x144; [cser08@IntelSysTech.com](mailto:cser08@IntelSysTech.com)



The University of Southern California in collaboration with Stevens Institute of Technology presents the 6<sup>th</sup> annual Conference on Systems Engineering Research.

The primary conference objective is to provide practitioners and researchers in academia, industry, and government a common platform to present, discuss and influence Systems Engineering research with the intent to enhance Systems Engineering practice and education. Papers are solicited pertaining to research in all these areas.

*Organized by the University of Southern California (USC) in collaboration with Stevens Institute of Technology, managed by the Los Angeles Chapter of the International Council on Systems Engineering (INCOSE). Additionally, CSER 2008 is technically co-sponsored by the IEEE Systems Council, INCOSE's SEANET, MIT's "Systems Engineering Advancement Research Initiative," Institute of Industrial Engineers, and Intelligent Systems Technology, Inc.*

## General Information

For information about registration, hotel, location, financial support and other subjects, see the web site above or contact [cser08registrations@incose-la.org](mailto:cser08registrations@incose-la.org)



# INCOSE LA Chapter NEWSLETTER

Vol. 5: Issue No. 6 November 2007

Return Address:

PO Box 490341  
Los Angeles, CA 90049

## Forwarding Address Requested

The International Council on 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:

### 2007 Officers and Board

|                                     |                         |                                    |                              |
|-------------------------------------|-------------------------|------------------------------------|------------------------------|
| <b>President:</b>                   | James Manson III        | james.a.manson-iii@boeing.com or   | president@incose-la.org      |
| <b>Vice-President:</b>              | John "David" Boyd       | john.boyd@incose.org or            | vicepresident@incose-la.org  |
| <b>Past President:</b>              | Gina Kostelecky-Shankle | Gina.Kostelecky-Shankle@ngc.com or | pastpresident@incose-la.org  |
| <b>Treasurer:</b>                   | Marsha Weiskopf         | marsha.weiskopf@aero.org or        | treasurer@incose-la.org      |
| <b>Secretary:</b>                   | Lee-Ann Seeling         | lseeling@trichord.com or           | secretary@incose-la.org      |
| <b>Membership:</b>                  | Paul Cudney             | paul.cudney@incose.org or          | membership@incose-la.org     |
| <b>Programs/Speakers:</b>           | Jack Elson              | jelson@nu.edu                      | programs@incose-la.org       |
| <b>Ways and Means:</b>              | Sherry Pietras          | sherry.l.pietras@boeing.com or     | waysandmeans@incose-la.org   |
| <b>Tutorials/Education:</b>         | TBD                     | or                                 | setraining@incose-la.org     |
| <b>Communications:</b>              | James Pederson          | james.e.pederson2@boeing.com or    | communications@incose-la.org |
| <b>Newsletter Editor:</b>           | Eric Belle              | eric_c_belle@raytheon.com          | newsletter@incose-la.org     |
| <b>Reflector Editor:</b>            | Susan Ruth              | susan.c.ruth@aero.org              |                              |
| <b>Industrial Relations Chair:</b>  | Malina Hills            | malina.m.hills@aero.org            |                              |
| <b>Technical Society Liaison:</b>   | Edmund Conrow           | info@risk-services.com             |                              |
| <b>Chapter Recognition Chair:</b>   | Dana Pugh               | Dana.N.Pugh@boeing.com             |                              |
| <b>Webcast Event Chair:</b>         | Benjamin Luong          | Benjamin.Q.Luong@boeing.com        |                              |
| <b>CSER 2008 Conf. Mgmt Chair:</b>  | Malina Hills            | malina.m.hills@aero.org            |                              |
| <b>CSER 2008 Conf. Cont. Chair:</b> | Scott Jackson           | jackessone@cox.net                 |                              |

Those interested in INCOSE membership please contact Paul Cudney - [paul.cudney@incose.org](mailto:paul.cudney@incose.org). If you wish to be placed on our E-mail distribution, please contact Susan Ruth - [susan.c.ruth@aero.org](mailto:susan.c.ruth@aero.org).