NEWSLETTER

INCOSE LOS ANGELES

2002, 2004-10   2003

2008 President's Award for Most Outstanding Chapter

INCOSE
International Council on Systems Engineering

UPCOMING EVENTS

July Speaker Meeting and Tour
The U.C.L.A. Smart Grid Energy Research Center
Speaker: Dr. Rajit Gadh, Professor, School of Engineering and Applied Science, Founding Director of SMERC
When: Wednesday, July 13, 2011
Where: The University of California, Los Angeles
*** Attendance is limited! ***
See page 1 for more details

July Tutorial
Enterprise Engineering and Architecture Analysis
When: Friday, July 29, 2011
Where: Boeing Huntington Beach
See page 2 for more details

August Speaker Meeting
Speaker: Steve Welby, Office of the Secretary of Defense
When: Tuesday, August 9, 2011
Where: Booz Allen Hamilton, LAX Office
See page 4 for more details

Professional Networking Event
When: Thursday, August 25, 2011
Where: Bar Celona Restaurant, Pasadena
See page 5 for more details

Inside This Edition

GREAT NEWS FROM IS2011!

Join us in congratulating the following Los Angeles Chapter members who received INCOSE Awards at the International Symposium in Denver:
> **Pioneer Award -** *Dr. Azad Madni*
> **Outstanding Service Award -** *Susan Ruth*
> **Outstanding Service Award -** *Paul Cudney*

(More details to be provided in the August *Newsletter*.)

July Speaker Meeting and Tour
U.C.L.A. Smart Grid Energy Research Center

Presenter: Dr. Rajit Gadh, Professor at the Henry Samueli School of Engineering and Applied Science at U.C.L.A., and the Founding Director of the U.C.L.A. Smart Grid Energy Research Center (SMERC)

PARTICULARS
When: Wednesday, July 13, 2011, 4:00 – 7:00 p.m.
Where: U.C.L.A. Smart Grid Energy Research Center
Henry Samueli Hall at U.C.L.A.
Cost: Free (unless refreshments are provided)
NOTE: U.C.L.A. charges for parking

ABSTRACT: This is a unique opportunity to tour the U.C.L.A. Smart Grid Energy Research Center (SMERC). The SMERC performs research, creates innovations, and, demonstrates advanced wireless communications, internet and sense-and-control technologies. The activities facilitate the development of the next generation of the electric utility grid — the "Smart Grid." SMERC also provides thought-leadership via partnership among utilities, renewable energy companies, technology providers, electric vehicle and electric appliance manufacturers, the Department of Energy research labs and universities; so as to collectively work on vision, planning and creation of for a grid of the future. The grid of the future will allow integration of renewable energy sources, reduce losses, improve efficiencies, increase grid flexibility, reduce power outages, allow for competitive electricity pricing, and allow for integration of electric vehicles. The smart electric grid of the future will be responsive to market, consumer and societal needs.

SMERC is currently working on the topics of Automated

Demand Response, Electric Vehicle Integration, Microgrids, distributed renewable integration, storage integration into microgrids, cybersecurity, and consumer behavior.

BIOGRAPHY: In addition to being a professor at U.C.L.A., and the founding director of SMERC, Dr.Gadh is also the founder and director of the Wireless Internet for Mobile Enterprise Consortium. Among the participating organizations who have been sponsors and members are Boeing, Hewlett Packard, Hughes Network Systems, Intel, InterDigital, ITC Infotech, Lucent Technologies, Microsoft, Motorola, Northrop Grumman, Qualcomm, Raytheon, Sprint, Siemens, and Verizon.

Dr. Gadh's research interests include smart grid architectures, smart wireless communications, sense and control for demand response, microgrids and electric vehicle integration into the grid. He has a strong background in creating technology partnerships with industry.

Dr. Gadh has a Ph.D. from Carnegie Mellon University, a masters from Cornell University and a bachelor's degree from the Indian Institute of Technology Kanpur. He has taught as a visiting researcher at U.C. Berkeley, has been an Assistant-, Associate- and full Professor at the University of Wisconsin — Madison, and did his sabbatical as a visiting researcher at Stanford University for a year. He has won several awards from the National Science Foundation, the Society of Automotive Engineers, the American Society of Mechanical Engineers, and the Engineering Education Foundation.

R.S.V.P.: R.S.V.P. by registering online at http://www.incose-la.org. Please register by July 6, 2011 and provide your full name, title, company, phone number, and email address. Also, state whether you are a US Citizen, resident alien, or foreign national. Members must include your INCOSE member number.

DIRECTIONS AND PARKING: The presentation and tour will be at U.C.L.A., in the Henry Samueli Engineering School of Engineering Building, right next to Boelter Hall.

U.C.L.A. is north of the Los Angeles International Airport. U.C.L.A.'s main campus is bounded by Sunset Boulevard. on the north and Le Conte Avenue on the south; the east border is Hilgard Avenue and the west border is Gayley Avenue.

From the 405 Freeway take the Wilshire Boulevard East

July Tutorial
ENTERPRISE ENGINEERING and ARCHITECTURE ANALYSIS,
1-Day Executive Overview

Presenter(s): Mr. Walter L. Wilson, along with Brae Irwin or Sunil Malik (Enterprise Architects, Lockheed Martin Center for Enterprise Engineering Excellence)

Particulars

When: Friday, July 29, 2011, 8:00 a.m.–5:00 p.m.

Meeting Schedule:

8:00 – 8:30 a.m.   Registration, Networking, Breakfast
8:30 a.m.–5:00 p.m.   Tutorial (including breaks)
Continental breakfast, lunch, and presentation materials will be provided

Where: The Boeing Company, Huntington Beach Building 28 Conference Center, Theater
5301 Bolsa Avenue, Huntington Beach CA 92647

Cost: INCOSE Members: $75; Non-Members: $100**;** Students/Retired/Unemployed: $50
(proof of designated status will be required)

RSVP deadline: Monday, July 25, 2011

ABSTRACT: *Do you know your Enterprise?* Participants in this 1-day Enterprise Engineering and Architecture Analysis, Executive Overview tutorial will learn how to establish an Enterprise Architecture Modeling and Simulation Environment and use Enterprise Architecture Analysis Patterns based on the Department of Defense Architecture Framework (DoDAF).

Key Topic Areas include:
- Enterprise Architecture Analytical Framework
- Enterprise Performance Prism
- Enterprise Architecture Modeling and Simulation Environments
- Employing Enterprise Architecture Analysis Patterns

Benefits: Enterprises and the Organizations that comprise them are constantly seeking ways to lower total Cost of Ownership (TCO) and balance Total Quality with Affordability in response to High-level mandates or driven by the need to be cost-effective, efficient, or responsive. An understanding of Enterprise Engineering, Enterprise Architecture, and the

The Board of Directors wishes to welcome the following new members in the Los Angeles Chapter of INCOSE:
Note: The information listed below is 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) to update your information.

Name	Title	Company
Sung Ho	Sr. Associate	Booz Allen Hamilton
Donald Vossler	Vice President	Siemens
Alexander Goumas		
Joshua McDonald	Systems Architect	Saker Systems
Sapna Mehta	Principal Engineer 3	DirecTV Inc.

application of Enterprise Architecture Analysis will assure the success of any enterprise initiative designed to deliver increased total quality, agility, interoperability, scalability, responsiveness, and affordability. The principles of Enterprise Engineering are required to maximize enterprise productivity, performance, and efficiency in a holistic manner.

In this workshop, participants will gain the skills and knowledge necessary to understand what principles and techniques are required to successfully perform enterprise analysis across the enterprise lifecycle – from Enterprise Planning to Enterprise Conceptualization to complete Enterprise Lifecycle Analysis that will support decision making.

This seminar does not include a practicum or hands-on exercises. The EEAA Seminar follows the Enterprise Engineering 1-Day Executive Overview Boot Camp provided in Nov 2010. It provides exposure and introduction to the principles of Enterprise Architecture Modeling, Simulation, and Analysis for those intending to take the 3-Day extensive Enterprise Engineering Analysis Boot Camp.

Seminar Outline:

- Introduction to Enterprise Architecture Analytical Framework
- Employing the Enterprise Performance Prism
  - Understanding the Performance Prism Framework
  - Implementation and use of the Performance Prism Framework
- Enterprise Architecture Modeling and Simulation Environments (EA M&S)
  - Understanding the EA M&S Environment
  - Implementation and use of the EA M&S Environment
- Employing Enterprise Architecture Analysis Patterns
  - A sampling of Enterprise Architecture Analysis Patterns to be discussed
    - Enterprise Affordability Analysis Pattern (EAAP)
    - Enterprise Interoperability Analysis Pattern (EIAP)
    - Enterprise Concept Analysis Pattern (ECAP)
    - Enterprise Nodal Analysis Pattern (ENAP)
    - Enterprise Open System Analysis Pattern (EOSAP)
    - Enterprise Culture Analysis Pattern (ECAP)
    - Enterprise State Analysis Pattern (ESAP)
    - Enterprise Goal Analysis Pattern (EGAP)
    - Enterprise Composition Analysis Pattern (ECAP)
    - Enterprise Stakeholder Analysis Pattern (ESAP)
    - Enterprise Capability Analysis Pattern (ECAP)
    - Enterprise Governance Analysis Pattern (EGAP)
    - Enterprise Lifecycle Cost Analysis Pattern (ELCAP)
    - Time permitting—Discussion of other Enterprise Architecture Analysis Patterns

BIOGRAPHIES:

Walter L Wilson is an Enterprise Architect with Lockheed Martin, with 14 years of practical experience. He is a Federal Enterprise Architect Certification Institute Faculty member, President of the Association of Enterprise Architects California Chapter, and a Senior Thought Leader in Enterprise Engineering focusing on its application to full Enterprise Lifecycle Management. He leads the development of Enterprise Architecture analytical frameworks and lassies patterns for Lockheed Martin and industry. Mr. Wilson led the enterprise architecture effort of Multi-Mission Satellite Operations Center, Joint Force Projection, Prompt Global Strike, Spacelift Range, Joint Force Projection, and Air Force Control Network. He also led Lockheed Martin's initial efforts to pursue Enterprise Transformation Initiatives in the Energy Sector, and led the development of AFSPC's approach to Open Systems Management. He leads mentoring and knowledge-sharing activities designed to disseminate and share Enterprise Engineering knowledge within Lockheed and the industry, and also leads Lockheed Martin's component of the International Security, Trust, and Privacy Alliance development of a Privacy Assurance Framework, Reference Model and Reference Architecture.

Brae Irwin is an Enterprise Architect for Lockheed Martin with four years of practical experience in defense and commercial domains. He is an officer of a leading chapter of the Association of Enterprise Architects and has educated several defense industry organizations on enterprise architecture and engineering. Recently, he has contributed to the development of the MMSOC architecture and a published approach for Open Systems Management for AFSPC. Brae has produced several architectural concepts that have contributed to the OMG and IEEE standards activities and which are leading the field and practice of enterprise architecture.

Sunil Malik works at Lockheed Martin as an Enterprise Architect. In the past, he has also worked as a software architect, designing and executing next generation ground systems for the Department of Defense. In his current role, Sunil Malik's main duties include designing, executing, and training on enterprise engineering processes and procedures to support cost effective acquisition, operations, and development activities.

R.S.V.P.: *(Note that tutorial is subject to cancellation if a minimum attendance is not met.)* R.S.V.P./Register online at www.incose-la.org. Navigate to the web page for this event and click on the link for Registration.

We request that all reservations are made online. This helps to facilitate event registration and planning. You will be asked to provide your email address, name, title, company, phone number, and membership and citizenship information. Payment can be made during online registration by PayPal (using credit card or PayPal account), or by sending a check to:

> INCOSE-LA
> PO Box 10969
> Westminster CA 92685-0969

Questions? Contact Shirley Tseng - 714-832-5373, shirleytseng@earthlink.net

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For up-to-the-minute event details:

- ♦ *Check future editions of the Newsletter*
- ♦ *Watch your email for the Reflector*
- ♦ *Visit the INCOSE-LA website at http://www.incose-la.org*

August Speaker Meeting
The Role of Systems Engineering in Creating Successful Defense Acquisition Programs

Presenter: Mr. Stephen P. Welby,
Deputy Assistant Secretary of Defense for Systems Engineering

PARTICULARS

When: Tuesday, August 9, 2011, 5:30 p.m. to 8:00 p.m.
Where: Booz Allen Hamilton – LAX Office
5220 Pacific Concourse Drive, Suite 200, Los Angeles, 90045
COST: Members: FREE; Non-members: Suggested donation of $10.00 at sites providing refreshments (covers cost of food and beverages). Substantial refreshments to be provided at the host site; refreshments may or may not be provided at remote sites.
Contact Remote Site POCs for more information.

Meeting Schedule:
5:30 - 6:15 p.m.   Registration, Networking, Refreshments
6:15 - 6:30 p.m.   Welcome & Announcements
6:30 - 7:45 p.m.   Presentation followed by Q&A

ABSTRACT: Mr. Stephen Welby, Deputy Assistant Secretary of Defense for Systems Engineering, will discuss the role that systems engineering plays in creating successful defense acquisition programs. He will describe recent changes in acquisition policy focused on improving the Department's productivity and efficiency and will discuss the impact of these changes on systems engineering practice within the US Department of Defense. Mr. Welby will also discuss his perspective on emerging opportunities and challenges for engineers in addressing the large scale systems challenges of the 21st century.

BIOGRAPHY: Mr. Stephen P. Welby is the Deputy Assistant Secretary of Defense for Systems Engineering and is responsible for establishing both systems engineering and acquisition technical workforce policy across the Department of Defense (DoD). This includes early systems engineering and pre-acquisition development planning programs; system design, development and manufacturing policy; and independent program review and analysis for more than $60B per year in major weapon system acquisition programs across the Department. As acquisition technical workforce executive, Mr. Welby is the Department's systems planning, research, development, and engineering functional leader, as well as the production, quality, and manufacturing functional leader; together these career fields encompass more than 40,000 DoD acquisition professionals.

Mr. Welby has more than 22 years of government and industrial experience in cross-disciplinary technological product development, including leadership positions at the Defense Advanced Research Projects Agency. His areas of focus included technology and program management for development of advanced aeronautical and space systems, high energy lasers, ground and maritime systems, robotics, advanced weapons, high-performance software, real-time signal and image processing, and military sensor systems.

Mr. Welby holds a bachelor of science degree in chemical engineering from The Cooper Union for the Advancement of Science and Art, a master's degree in business administration from the Texas A&M University, and master's degrees in computer science and applied mathematics from The Johns Hopkins University.

Planned Remote Webcast Sites:
(Status on available remote site locations will be listed on the INCOSE-LA website.)   The point of contact (POC) can be contacted to request site activation or to indicate your interest in attending:

---> **Antelope Valley/Palmdale**: Open to all. POC: Mike Wallace, phone: 661-540-0290, email: m.wallace@ngc.com.

---> **Huntington Beach**: Boeing - Bldg 17, Conf Rm 109, 14900 Bolsa Chica Road, Huntington Beach CA 92647. Open to US citizens and non-resident aliens. Unfortunately, Foreign Nationals will not be able to attend at The Boeing Company site. POC: Beth O'Donnell, phone: 714-372-2543, email: elizabeth.l.o'donnell@boeing.com.   **Refreshments will be provided at this site.**

---> **Santa Barbara**:   Control Point Corporation, 110 Castilian, Suite 200, Goleta CA 93117. POC: Scott Grant, scott.grant@control-pt.com

---> **Pasadena**: JPL - open to all. POC: Chelsea Dutenhoffer, chelsea.dutenhoffer@jpl.nasa.gov.

R.S.V.P.: R.S.V.P./Register online at www.incose-la.org. Navigate to the web page for this event and click on the link for Registration. Please R.S.V.P. by Friday, August 5, 2011.

We request that all reservations are made online to facilitate event registration and planning for our host site and our remote sites. You will be asked to provide your email address, name, title, company, phone number, and membership and citizenship information, and to identify at which site you will be attending. *Any special registration requirements for our Host Site or Remote Sites are shown below.*

Host Site: Please complete RSVP (US Citizens and resident aliens) by Friday, August 5th. If you are uncertain whether or not you'll be able to attend, DO make a reservation and indicate that you're uncertain.

Remote Sites – Indicate appropriate remote site as location when registering on-line.

---- Antelope Valley/Palmdale - no deadline. Contact Mike Wallace at 661-540-0290 or m.wallace@ngc.com for location and directions.

---- Huntington Beach, Boeing - Please register online by Friday, August 5th (US Citizens and resident aliens). If you are uncertain whether or not you'll be able to attend, DO make a reservation and indicate that you're uncertain. Unfortunately, Foreign Nationals will not be able to attend at The Boeing Company site. Visitors will need to bring identification and check in with Security in the lobby of Building 17 **not later than 6:00 p.m.** *Please bring your picture identification (driver's license, passport and/or green card) to the meeting.* Contact Beth O'Donnell at elizabeth.l.o'donnell@boeing.com for directions or for more information.

--- Pasadena, JPL – Please register online by Thursday, August

4, 2011. Contact Chelsea Dutenhoffer at Chelsea.dutenhoffer@jpl.nasa.gov for specific location and directions.

--- Santa Barbara, Control Point - Please register online by Friday, August 5th. Contact Scott Grant at 805-882-1884, x108 for directions or more information.

DIRECTIONS to Host Site: BAH LAX facility, El Segundo
From the San Diego (405) Freeway: Exit at El Segundo Boulevard. Go West on El Segundo Boulevard. Turn Right (North) on South La Cienega Boulevard. Proceed on La Cienega until the third stoplight. Turn left onto Pacific Concourse Drive. Follow the road until you reach the 2nd stop sign (immediately past court house parking garage on the right) and turn right. At gate on the far right, press the green button to receive a parking ticket (Admin staff will validate parking). After passing the gate, turn left into the visitor parking lot. Walk past the water fountain, across the rotunda to Building 5220. The meeting room is located on the 2nd floor, Suite 200.
Coming from LAX (Los Angeles International Airport) from either Aviation or Airport streets: Go south until you get to Century Blvd. Turn left (east) on Century Blvd. Turn right (south) on La Cienega Blvd ~ this is right before you get to the 405 freeway, if you pass under the freeway, you went too far. Take La Cienega through several stop lights; eventually you will pass Imperial Blvd and a large building on your right with a glass side. The next light (where you can turn right) is Pacific Concourse Drive. Turn right, follow the road until you reach the 2nd stop sign (immediately past court house parking garage on the right) and turn right. At gate on the far right, press the green button to receive a parking ticket (Admin staff will validate parking). After passing the gate, turn left into the visitor parking lot. Walk past the water fountain, across the rotunda to Building 5220. The meeting room is located on the 2nd floor, Suite 200.

From Sepulveda Blvd exit at LAX: Drive south on Sepulveda Blvd, leaving LAX until Imperial (short distance). Turn left (east) onto Imperial and continue straight until reaching Aviation. Turn right onto La Cienega. Turn right at the second light onto Pacific Concourse Drive. Follow the road until you reach the 2nd stop sign (immediately past court house parking garage on the right) and turn right. At gate on the far right, press the green button to receive a parking ticket (Admin staff will validate parking). After passing the gate, turn left into the visitor parking lot. Walk past the water fountain, across the rotunda to Building 5220. The meeting room is located on the 2nd floor, Suite 200.

exit. Continue east on Wilshire for several blocks, moving into the left lane. Make a left turn on Westwood Boulevard and follow it into campus.

Parking: Lot 9 is closest to the SMERC facility but there are also two other options: lot 8 which is located directly across from lot 9 on Westwood Boulevard and lot 6 which is at the end of the cul-de-sac on Westwood Boulevard.

For additional information, go to http://www.incose-la.org.

DIRECTIONS to Boeing, Huntington Beach: Building 28 Conference Center, Theater, 5301 Bolsa Avenue (main address for Boeing HB), Huntington Beach CA 92647

From the 405 heading South (south of Long Beach):
From the 405, take CA-22 East toward Garden Grove. Take the first exit, Bolsa Chica Road. Merge onto Bolsa Chica Road. Proceed about 1-1/2 miles. Turn LEFT at Bolsa Avenue. Make a LEFT at the first traffic signal, into the Boeing site. The Building 28 conference center will be on your right. Parking is available in Parking Lot B1 or Lot K.

From the 405 Heading North:
From the 405 North, exit Bolsa Ave (Exit 18) toward Golden West St. Continue on Bolsa Ave for about 2-1/2 miles, crossing Springdale St, Astronautics Dr., and Graham St. Turn RIGHT at the last signal light before reaching Bolsa Chica Road. The Building 28 conference center will be on your right. Parking is available in Parking Lot B1 or Lot K.

Boeing Huntington Beach Contacts: Beth O'Donnell, 714-372-2543, elizabeth.l.o'donnell@boeing.com; or Ameer Alam, 714-896-3834, ameer.alam@boeing.com.

Professional Networking Event — August 25 in the Pasadena Area

Join the INCOSE-Los Angeles Chapter for an evening of networking with other chapter members, including representatives from the INCOSE-LA Board of Directors. Enjoy some "tapas" (appetizers) and the company of other systems engineering professionals. Chapter members are welcome and encouraged to attend! We especially encourage new chapter members to attend.

WHEN: Thursday, August 25, 2011, 5:30 p.m. to 9:00 p.m.

WHERE: *Bar Celona – Modern Spanish Tapas Bar*, 46 East Colorado Boulevard, Pasadena. (Phone: 626-405-1000) Self-parking and valet parking available.

COST: No-host bar – the chapter will provide light appetizers.

R.S.V.P.: Register online at www.incose-la.org by August 22, 2011. The registration link is under "Upcoming Events." You must R.S.V.P. in order to attend this event — attendance is limited.

EVENT CONTACT: Nehal Patel, phone 949-274-0387, email Nehal_P1_Patel@raytheon.com

DIRECTIONS:
Coming from the South:
- Take the 110 north towards Pasadena.
- Exit on to South Fair Oaks Avenue; turn left (north) on to Fair Oaks; proceed to Colorado Boulevard and turn right.
- Restaurant will be on the right.

Coming from the North:
- Take 210 East towards Pasadena.
- Exit at the Colorado Boulevard exit and then turn right towards West Colorado Blvd.
- Turn Left on to West Colorado Blvd.
- Restaurant will be on the right.

Want to ride Metro Rail?: The restaurant is two blocks south and one block west of the Memorial Park Station on the Metro Rail Gold Line.

Return Address:

PO Box 10969
Westminster, CA   92685-0969

Remember to renew your INCOSE membership!

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. . Our mission is to advance the state of the art and practice of systems engineering in industry, academia, and government by promoting interdisciplinary, scalable approaches to produce technologically appropriate solutions that meet societal needs.

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:

2011 Board of Directors and Appointed Positions

Elected Officers

President:	Beth O'Donnell	elizabeth.l.o'donnell@boeing.com	or	president@incose-la.org
Vice-President:	John Silvas	silvas_john@bah.com	or	vicepresident@incose-la.org
Past President:	Rosalind Lewis	rosalind.lewis@aero.org	or	pastpresident@incose-la.org
Secretary:	Alan Kirschbaum	aik@roadrunner.com	or	secretary@incose-la.org
Treasurer:	Harvey Soldan	harvey.soldan@jpl.nasa.gov	or	treasurer@incose-la.org

Elected At-Large Directors

Membership:	Paul Cudney	paul.cudney@incose.org	or	membership@incose-la.org
Programs:	Michael Kim	kim_michael_1@bah.com	or	programs@incose-la.org
Systems Engineering Education:	Shirley Tseng	shirleytseng@earthlink.net	or	setraining@incose-la.org
Ways and Means:	Michael Maar	michael.c.maar@boeing .com	or	waysandmeans@incose-la.org
Communications:	Edie Ung	ma1teez@yahoo.com	or	communications@incose-la.org

Appointed Positions

Newsletter Editor:	Jorg Largent	Largent_atpmd@msn.com	or	newsletter@incose-la.org
Newsletter Production Manager:				
Reflector Manager:	Susan Ruth	susan.c.ruth@aero.org		
Industrial Relations Manager:	Jose Garcia, Jr.	jose.s.garcia-jr@boeing.com		
Technical Society Liaison:	Edmund Conrow	info@risk-services.com		
Chapter Recognition Manager:	Michael Maar	michael.c.maar@boeing.com		
Lead Site Coordinator:	Anna Warner	aniawarner@gmail.com		
Webcast Event Manager:				
Website Technical Manager:	Michael Kim	michael.kim@jhuapl.edu		
Professional Networking Chair:	Nehal Patel	nehal_p1_patel@raytheon.com		
CSER 2011 Management Chair:	Terry Rector	Terry.Rector@scientist.com		
Representative to San Fernando Valley Engineers' Council:	Stephen Guine	Stephen.Guine@ngc.com		

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