NEWSLETTER

INCOSE LOS ANGELES

GOLD CIRCLE AWARD
2002, 2004-10

SILVER CIRCLE AWARD
2003

2009 President's Award for Most Outstanding Chapter

INCOSE
International Council on Systems Engineering

UPCOMING EVENTS

INCOSE Systems Engineering and Architecting Doctoral Student Network (SEANET) 2011 Workshop
When: Thursday, April 14, 2011
Location: USC Campus (transportation provided from CSER)
Details on page 6

CSER 2011: Conference on Systems Engineering Research
When: April 15-16, 2011
Where: Crowne Plaza Hotel, Redondo Beach, CA
Details on page 5

SAVE THE DATE

May Speaker Meeting
When: May 10, 2011

Look for details in a Reflector notice and future editions of the Newsletter

Register NOW!

CSER 2011 and SEANET Workshop

Go to: http://www.incose-la.org/events/conferences/cser-2011/cser-2011-registration.html

Inside This Edition

LAST CHANCE!
Conference on
Systems Engineering Research 2011
By Terry Rector, CSER Management Chair

In the past few months the CSER team has worked hard on planning what will be an opportunity to really make a difference: CSER 2011. This is an opportunity for the Los Angeles Chapter to make a difference for our profession: to provide the premier platform for open discussion and innovation in the area of systems engineering research. We are just about there, and the conference will be held April 15 and 16, 2011. We are very excited with the industry's participation. However, we still need your help in three ways.

First, we need you to work within your company to promote the conference. You can do this by downloading the flyer, printing it and posting it in open areas to generate discussion and encourage registration for attendance. Talk the conference up amongst your co-workers and friends. Let's get the word out. Website registration is open and ready to accept inputs.

Second, we need your help to work within your company to locate funding for sponsorship. There are many opportunities for your company to be a sponsor for this conference - either with cash or in-kind contributions -- to promote the conference and to market your company. If you prefer not to solicit funding yourself, then please provide us a contact, and we will call and ask if sponsorship is available. Either way you will be a big help to the conference as well as to our INCOSE chapter. For more information regarding sponsorship or exhibiting, contact Terry Rector at terry.rector@comdev-usa.com, Jose Garcia at jose.s.garcia-jr@boeing.com, and/or Shirley Tseng at shirleytseng@earthlink.net.

Third, we invite you to register and attend. We want to see you there supporting the chapter, learning and teaching among the many other registrants.

CSER 2011 is shaping up to be a well-attended, international technical research conference at which everybody will learn something. Come join us!

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
Maria Alvarez-Ruiz	Software Engineer/Student	
Malia Harris	Principal Systems Engineer	Raytheon

Conference on Systems Engineering Research: April 15-16, 2011

INCOSE-LA and the Conference on Systems Engineering Research (CSER) 2011 Committee are proud to announce a preliminary slate of track sessions and track chairs. In addition, we are introducing the CSER keynote and plenary session speakers and participants of the leadership panel discussion. We invite you all to attend this exciting event.

Track Title	Track Chair
Applied Systems Thinking	Robert Edson, ANSER
Healthcare and Medical Informatics	Azad Madni and Maryann Hiller, USC, Viterbi School of Engineering
Homeland Security	Assad Moini, Intelligent Systems Technology, Inc
	Jim Hines, USC
Model Based Systems Engineering-I.	Regina Griego, Sandia Lab
Model Based Systems Engineering-II	Dustin Jepperson, SBIRS Program Office
Systems & Enterprise Architecture-I	Jon Wade and Robert Cloutier, Stevens Institute of Technology
Systems & Enterprise Architecture-II	Colin Neill and Joanna DeFranco, Penn State
Systems & Enterprise Architecture-III.	Jason Dauby, MST and Susan Ferreira, UT Arlington
System Assessment & Assurance	Jennifer Bayuk, Stevens Institute of Technology
System Development, Design and Acquisition-I	John Colombi, Air Force Institute of Technology
System Development, Design and Acquisition-II.	Moti Frank, Holon Institute of Technology, Israel
System Development, Design and Acquisition-III.	.Jared Fortune, Aerospace Corporation
System Development, Design and Acquisition-IV	Yvette Rodriguez, DAU and Scott Maxwell, JPL
Systems Engineering Management-I	Elliot Axelband, Rand Corp
	Indrajeet Dixit, USC, Viterbi School of Engineering
Systems Engineering Methodologies and Process	Larry Earnest, Northrop Grumman Corp
Systems Engineering Methodologies and Process	Cecilia Haskins, Norwegian U. of S&T
Complex Systems and System of Systems.	Roger Ghanem, USC, Viterbi School of Engineering
Value Engineering	Barry Boehm and Jo Ann Lane, USC, Viterbi School of Engineering
Value Engineering	Ricardo Valerdi, MIT
	Marilee Wheaton, Aerospace Corp
Model Applications and Approaches-I.	Gerrit Muller, Buskerud University College
Model Applications and Approaches-II	Paulette Acheson, and Cihan Dagli, Missouri University of Science and Technology
Systems Engineering Education.	John Osmundson, NPS
Systems Engineering Education.	Alice Squires, Stevens Institute of Technology

Keynote Speaker

Stephen Welby

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). 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 (PQM) 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 (DARPA). 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.

Plenary Session Speakers

Barry Boehm

Dr. Barry Boehm is the TRW Professor in the USC Computer Sciences and Industrial and Systems Engineering Departments. He is also the Director of Research of the DoD-Stevens-USC Systems Engineering Research Center, and the founding Director Emeritus of the USC Center for Systems and Software Engineering. He was director of DARPA-ISTO 1989-92, at TRW 1973-89, at Rand Corporation 1959-73, and at General Dynamics 1955-59. He is a Fellow of the primary professional societies in computing (ACM), aerospace (AIAA), electronics (IEEE), and systems engineering (INCOSE), a member of the U.S. National Academy of Engineering, and the 2010 recipient of the IEEE Simon Ramo Medal for exceptional achievement in systems engineering and systems science .

George Friedman

Dr. George Friedman is currently an adjunct professor at USC Viterbi, School of Engineering, and Associate Director of USC's Systems Architecting and Engineering (SAE) Program. In addition he has been honored as an INCOSE Fellow and has earned the INCOSE Founder's Award.

Dr. Friedman has 45 years of non-repetitive experience in the aerospace industry in the areas of stealth bombers, missiles, terminally guided submunitions, spacecraft, electro-optical and acoustic sensors, avionics integration and stellar-aided inertial navigation systems. He retired as chief technical officer of Northrop Corporation in 1993 where he was responsible for the development of all engineering processes -- including systems engineering — as well as the allocation of research and development investments to the operating divisions. He served in the US Army in 1946 and 1950-2 and was part of the Army Ballistic Missile Agency.

Azad Madni

Dr. Azad Madni is Professor of the Daniel J. Epstein Department of Industrial and Systems Engineering and the Director of the SAE Program in the Viterbi School of Engineering at USC. He is also the founder and Chief Scientist of Intelligent Systems Technology, Inc., a high tech research and development company specializing in modeling and simulation technologies for education, training , and complex systems development.
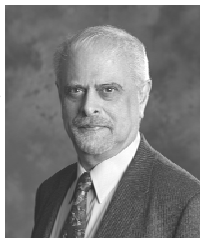
He is a Fellow of IEEE, INCOSE, SDPS, and IETE, and an Associate Fellow of AIAA. In addition, he is Editor-in-Chief of the *Journal for Integrated Design and Process Science*, and serves on the Advisory Boards of the *AutoSoft Journal*, *IEEE Systems Journal*, and *Human Factors and Ergonomics in Manufacturing and Service Industries Journal*. He is listed in the major Who's Who including *Marquis Who's Who in Science and Engineering*, *Who's Who in Industry and Finance*, and *Who's Who in America.*

Donna Rhodes

Dr. Donna H. Rhodes is a senior lecturer and principal research scientist in the Engineering Systems Division at MIT. She is the director of MIT's Systems Engineering Advancement Research Institute (SEAri), a research group focused on advancing the theories, methods, and effective practice of systems engineering applied to complex socio-technical systems. Prior to joining MIT, Dr. Rhodes had 20 years of experience in the aerospace and defense systems, systems integration, and commercial product industries, and held senior level management positions at IBM Federal Systems, Lockheed Martin, and Lucent Technologies. Dr. Rhodes has been very involved in the evolution of the systems engineering field, including development of several university graduate programs. She serves on numerous industry, university, and government advisory boards focused on advancement of systems practice and education, as well as on study panels for issues of national and international importance. Dr. Rhodes is a Past President and Fellow of INCOSE, and served on its board of directors for ten years. She is a recipient of the INCOSE Founders Award, an associate editor of the INCOSE journal *Systems Engineering,* and founding director of the INCOSE SEANET doctoral research network. She received her Ph.D. in Systems Science from the T.J. Watson School of Engineering at Binghamton University.

Michael Ryschkewitsch

Dr. Michael Ryschkewitsch is the Chief Engineer of NASA, a position held since August 2007. Prior to this, he served as the Deputy Center Director for NASA's Goddard Space Flight Center in Greenbelt, MD, starting in 2005.

He joined NASA in 1982 as a cryogenics engineer to work on the Cosmic Background Explorer mission and has held a number of management positions, supporting many projects such as the Hubble Space Telescope Servicing Missions and the Wilkinson Microwave Anisotropy Probe. He earned his B.S. in Physics from the University of Florida, Gainesville, in 1973 and a Ph.D. from Duke University in 1978. He was awarded the NASA Exceptional Service Medal, the NASA Medal for Outstanding Leadership, the Robert Baumann Award for contributions to mission success, and the NASA Engineering and Safety Center Leadership Award.

Ron Sugar

Dr. Ronald D. Sugar is Chairman Emeritus, Northrop Grumman Corp. Dr. Sugar is the retired chairman of the board and Chief Executive Officer of Northrop Grumman Corporation, a global defense and technology company. He was previously President, Chief Operating Officer (COO) and director of Litton Industries, President and COO of TRW Aerospace, and Chief Financial Officer of TRW Inc. He currently serves as a director of Chevron Corporation, Apple Inc., Amgen Inc., and Air Lease Corporation, and serves as senior advisor to the private investment firm Ares Management LLC. He is former chairman of the Aerospace Industries Association, a member of the National Academy of Engineering, a trustee of the University of Southern California, and director of several other philanthropic institutions. He received his B.S. (summa cum laude), M.S., and Ph.D. in engineering from the University of California at Los Angeles.

Dinesh Verma

Dr. Dinesh Verma received the Ph.D. and the M.S. in Industrial and Systems Engineering from Virginia Tech. He is currently serving as the Founding Dean of the School of Systems and Enterprises and Professor in Systems Engineering at Stevens Institute of Technology. Concurrently, he is serving as the Executive Director of the Systems Engineering Research Center (SERC), a U.S. Department of Defense sponsored University Affiliated Research Center (UARC) focused on systems engineering research.

He is an INCOSE Fellow, a senior member of SOLE, and was elected to Sigma Xi, the honorary research society of America. He serves as the Scientific Advisor to the Director of the Embedded Systems Institute in the Netherlands.

Yannis Yortsos

Dr. Yannis C. Yortsos was appointed Dean of the Viterbi School of Engineering in 2005. He is the Chester F. Dolley Professor of Chemical and Petroleum Engineering, and holds the Zohrab A. Kaprielian Dean's Chair in Engineering.

Yortsos is well known for his work on fluid flow, transport and reaction processes in porous and fractured media with applications to the recovery of subsurface fluids and soil remediation. He also has been actively involved in the peer review of the Yucca Mountain Project for the disposal of high-level radioactive waste.

Under Dean Yortsos' leadership, the Viterbi School has risen to 10th worldwide for engineering, computer science and technology (2010 Shanghai Jiao Tong rankings). In addition, Yortsos spearheaded the creation of a new Office of Master's and Professional Programs at the school to enhance the program and respond to the critical needs of professional engineers based in the U.S. and abroad.

The recipient of many honors for research, teaching and service, Dean Yortsos is a member of the U.S. National Academy of Engineering, and a Foreign Member of the Russian Academy of Natural Sciences.

Leadership Panel Participants

Elliot Axelband, Moderator

Dr. Elliot Axelband is a Senior Engineer at the RAND Corporation, a consultant to the USC Viterbi School of Engineering, and a part owner of Legacy Engineering. From 1994 to 2004, he was a Professor of Electrical Engineering, Associate Dean for Research Development, and Director for the Graduate Program in Systems Architecting and Engineering at USC. Prior to this, he was employed for 35 years at the Hughes Aircraft Company, retiring as a Vice President and General Manager in 2004. He is an IEEE Lifetime Fellow and Centennial Medal Recipient, and an INCOSE Fellow.

Christopher Cool

Mr. Christopher B. Cool is sector vice president, Quality, Safety and Mission Assurance, for Northrop Grumman Aerospace Systems, a premier provider of manned and unmanned aircraft, space systems, missile systems and advanced technologies critical to our nation's security.

Mr. Cool's responsibilities include quality, mission assurance and safety assurance, affordability, continuous improvement, process excellence, configuration/data/change management, operational assuranceand knowledge management. His charter is to enable the sector to become a quality-focused, process-based culture by integrating quality, systems engineering, value stream management, safety assurance and risk management into a single integration capability. He is also the corporate lead on Knowledge Management and represents the Aerospace Systems sector on the Corporate Competitive Excellence and Quality councils. He has also served as company focal point for Lean including being the Defense and Aerospace Industry chair on MIT's Lean Aerospace Initiative from 2005-2006. He is a founding member and past chair of Northrop Grumman's Competitive Excellence council and the Corporate Quality council.

Steve O'Neill

Mr. Steve O'Neill is president of Boeing Satellite Systems International Inc. and vice president of Commercial Satellite Systems for Space and Intelligence Systems (S&IS) within Boeing Defense, Space & Security. In his role as vice president, he is responsible for general management of all Boeing commercial satellites, ground systems and services. He currently has oversight for a variety of commercial satellite systems including

CSER 2011

CONFERENCE ON SYSTEMS ENGINEERING RESEARCH

An International Conference

Conference Announcement

Ninth Annual Conference on Systems Engineering Research

April 15-16, 2011 Redondo Beach, California
Crowne Plaza Redondo Beach & Marina Hotel
http://www.incose-la.org/cser2011/

CSER Collaboration

Professor Azad Madni, Director of Systems Architecting and Engineering
Program, University of Southern California (USC)
Professor Dinesh Verma, Dean of Systems and Enterprises School, Stevens
Institute of Technology

CSER '11 Organization

Conference Honorary Chair: George Friedman (USC)
Conference General Co-Chairs: Azad Madni (USC) and Elliot Axelband (RAND)
Conference Management Chair: Terry Rector (COM DEV - USA)
Technical Program Co-Chairs: Roger Ghanem (USC) and Marilee Wheaton
(The Aerospace Corporation)

Plenary Speakers / Leadership Panel

Plenary Speakers: Barry Boehm (Prof., Computer Science, USC), **George
Friedman** (Prof., Epstein School of Industrial & Systems Engineering, USC),
Azad Madni (Prof., Epstein School of Industrial & Systems Engineering, USC),
Donna Rhodes (Senior Lecturer and Principal Research Scientist, MIT), **Michael
Ryschkewitsch**, (NASA Chief Engineer), **Ron Sugar** (Northrop Grumman Corp.
Chairman and CEO Emeritus), **Dinesh Verma** (Dean, School of Systems and
Enterprises, Stevens Inst. of Technology), **Yannis Yortsos** (Dean, Viterbi School
of Engineering, USC)

Leadership Panel: Chris Cool (Sector VP, Northrop Grumman Aerospace Sys),
Robert Neches (Director, Advanced Engineering Initiatives, Office of the Deputy
Assistant Secretary of Defense for Systems Engineering), **Stephen T. O'Neill**
(Pres., Boeing Satellite Systems Int'l), **John A. Thomas** (Sr. Vice Pres., Booz
Allen Hamilton), with **Elliot Axelband** (Senior Engineer, Rand Corporation) as
Panel Chair

Banquet Speaker

Steve Welby, Deputy Assistant Secretary of Defense, Systems Engineering

Technical Program / Breakout Speakers

Over 110 presented papers in seven (7) tracks, plus poster sessions from abstract
reviews and PhD candidates from the April 14 SEANET meetings.

See the CSER 2011 Technical Program website page for the latest information.

SEANET

SEANET is an INCOSE sponsored network of doctoral student researchers
working in the field of systems engineering and architecting. A SEANET
workshop will be conducted on Thursday April 14 at USC. One technical track at
CSER'11 will be devoted to papers by doctoral candidates. Please visit the CSER
2011 web site (annotated above) for more information.

The University of Southern California, in
collaboration with Stevens Institute of
Technology, presents the 9th 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.

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).

CSER 2011 also welcomes the INCOSE
Board of Directors on Friday-Sunday, April
15-17, and SEANET researchers.

General Information

For information about registration,
hotel, location, financial support and
other subjects, see the CSER 2011
web site at http://www.incose-
la.org/cser2011

Registration fees:

• INCOSE Members - $550
• Non-INCOSE members - $625
• Students(F/T)/Seniors/Military - $400

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University

USC **Viterbi**
School of Engineering

STEVENS
INSTITUTE of TECHNOLOGY
THE INNOVATION UNIVERSITY

INCOSE
LOS ANGELES

AEROSPACE
Assuring Space Mission Success

COM DEV
U S A

MICROCOSM
ASTRONAUTICS BOOKS
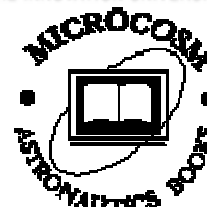
Call for Participation

INCOSE Systems Engineering and Architecting Doctoral Student Network (SEANET) 2011 Workshop

INCOSE seeks to foster and accelerate doctoral research in the field of systems engineering, and one means to do this is by connecting student researchers through a network. The purpose of SEANET is to advance systems engineering research by providing a collegial support network, research resources, and industry contacts that will enable the completion of doctoral dissertations related to systems engineering. The INCOSE SEANET invites **current** and **soon-to-begin** doctoral students to participate in a 1-day workshop at University of Southern California. This event will precede the CSER 2011.

The **SEANET Workshop** will feature speakers, panel sessions, and working sessions on the process of completing doctoral education and research.

Date: Thursday, April 14, 2011
Time: 8:30 AM – 4:00 PM (doctoral workshop)
Location: USC Campus (transportation from Crown Plaza Redondo Beach provided)
Option to Exhibit a Research Poster at the CSER Opening Reception
Date: Thursday, April 14, at Crown Plaza in Redondo Beach
Time: 5:00PM
Location: Crown Plaza in Redondo Beach, CA

WORKSHOP: Registration Information

Students are encouraged to discuss their interest in participating with their academic advisor. Students are expected to have their own funds for travel costs. **There will be a $22.50 registration fee for attending the workshop. As space is limited**, we ask interested students to register via the CSER registration site as soon as possible.
http://www.incose-la.org/events/conferences/cser-2011/cser-2011-registration.html

Transportation from the CSER conference hotel (Crown Plaza, Redondo Beach) to the USC campus will be provided; if you do not need transportation please let us know by emailing seanet@incose.org

Students do not need to attend the conference to participate in the workshop. **In addition to registering,** please email the organizers that you plan to attend, along with your school name and if possible, the working title for your research topic: email to seanet@incose.org

OPTIONAL: Student Research Posters

We encourage doctoral students to create a research poster to describe their work, and present the poster during the social event the evening of 14 April following the workshop. During this event, students should make themselves available near their poster to discuss the research with attendees at the social event – including leaders from government, industry, and academia.

If you plan to exhibit a poster, send an email to seanet@incose.org no later than March 14.

Guidelines for Poster submission:

Students should design their posters based on the following guidelines:

- Posters should be formatted to approximately 30x40 inches, or A0 size. Posters may describe completed research or work that is underway. The poster may represent any aspect of the researcher's work, proposal, theoretical framework, methodology, findings, etc.
- Participants should not depend on laptops for their poster presentation. The message should be self-contained in the poster.
- Posters should be printed and brought with you. Push pins will be provided to attach the posters to the panel or board. Alternately, students can post individual Power Point slides as a 'virtual poster' if they are unable to create a poster.

Questions on SEANET may be forwarded to Dr. Donna Rhodes, Dr. Ricardo Valerdi or Dr. Cecilia Haskins, CSEP (seanet@incose.org).

CSER 2011—Program

Thursday – April 14, 2011							
Start Time	**End Time**	**Event**					**Location**
5:00	7:00	Registration					Mezzanine
5:00	7:00	SEANet Poster Session					Mezzanine
5:00	7:00	Social					Mezzanine

Friday – April 15, 2011							
Start Time	**End Time**	**Event**					**Location**
7:00	5:00	Registration					Coral Foyer
7:00	8:00	Continental Breakfast					Redondo Foyer
7:00	5:00	Exhibits					Redondo Foyer
8:00	12:00	**Plenary Session**					Redondo 1,2,3
		Title		Person	Subject		
8:00	8:10	Director, COM DEV USA		Terry Rector	Conference Administration		
8:10	8:20	Professor, Epstein School of Industrial and System Engineering, USC		Azad Madni	Conference Chair Welcome		
8:20	8:44	Dean, Viterbi School of Engineering, USC		Yannis Yortsos	Plenary Talk		
8:44	9:18	Northrop Grumman Corp, Chairman CEO Emeritus, Member of the Board of Trustees, USC - to be verified		Ron Sugar	Plenary Interview with Azad Madni		
9:18	9:42	NASA Chief Engineer		Michael Ryschkewitsch	Plenary Talk		
09:42	9:57	Break					Redondo Foyer
9:57	10:21	Dean, School of Systems and Enterprises, Stevens Institute of Technology		Dinesh Verma	Plenary Talk		Redondo 1,2,3
10:21	10:45	Professor, Epstein School of Industrial and System Engineering, USC		Azad Madni	Plenary Talk		
10:45	11:09	Prof., Computer Science, USC		Barry Boehm	Plenary Talk		
11:09	11:33	Senior Lecturer and Principal Research Scientist, MIT		Donna Rhodes	Plenary Talk		
11:33	11:57	Professor, Epstein School of Industrial and System Engineering, USC		George Friedman	Plenary Talk		
12:00	1:00	Lunch					Seascape Ballroom

		Break Out Sessions					
Location		Redondo 2,3	Bay Room	Catalina Room	Redondo Salon 1	Esplanade	Marina	TBD
		Track Lead:	Track Lead:	Track Lead:	Track Lead:	Track Lead:	Track Lead:	Track Lead:

Start Time	End Time	Redondo 2,3	Bay Room	Catalina Room	Redondo Salon 1	Esplanade	Marina	TBD	
1:00	1:30	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Papers are 20 mins with 10 min Q/A. Marine and Ocean
1:30	2:00	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	
2:00	2:30	Paper 3	Paper 3	Paper 3	Paper 3	Paper 3	Paper 3	Paper 3	
2:30	3:00	Paper 4	Paper 4	Paper 4	Paper 4	Paper 4	Paper 4	Paper 4	
3:00	3:30	Break							Redondo Flyer
3:30	4:00	Paper 5	Paper 5	Paper 5	Paper 5	Paper 5	Paper 5	Paper 5	
4:00	4:30	Paper 6	Paper 6	Paper 6	Paper 6	Paper 6	Paper 6	Paper 6	
4:30	5:00	Paper 7	Paper 7	Paper 7	Paper 7	Paper 7	Paper 7	Paper 7	
5:00	5:30	Paper 8	Paper 8	Paper 8	Paper 8	Paper 8	Paper 8	Paper 8	

Friday – April 15, 2011, Continued				
Start Time	**End Time**	**Event**		**Location**
6:00	7:00	Reception		Coral Foyer
7:00	9:00	Dinner Banquet Speaker: Steve Welby, Deputy Assistant Secretary of Defense, Systems Engineering		Seascape Ballroom

Saturday – April 16, 2011								
Start Time	**End Time**	**Event**						**Location**
7:00	5:00	Registration						Coral Foyer
7:00	8:00	Continental Breakfast						Redondo Foyer
7:00	5:00	Exhibits						Redondo Foyer
8:00	12:00	**Break Out Sessions**						
Location		Redondo 2,3	Bay Room	Catalina Room	Redondo Salon 1	Esplanade	Marina	TBD
		Track Lead:	Track Lead:	Track Lead:	Track Lead:	Track Lead:	Track Lead:	Track Lead:
8:00	8:30	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1
8:30	9:00	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2
9:00	9:30	Paper 3	Paper 3	Paper 3	Paper 3	Paper 3	Paper 3	Paper 3
9:30	10:00	Paper 4	Paper 4	Paper 4	Paper 4	Paper 4	Paper 4	Paper 4
10:00	10:30	Break						Redondo Foyer
10:30	11:00	Paper 5	Paper 5	Paper 5	Paper 5	Paper 5	Paper 5	Paper 5
11:00	11:30	Paper 6	Paper 6	Paper 6	Paper 6	Paper 6	Paper 6	Paper 6
11:30	12:00	Paper 7	Paper 7	Paper 7	Paper 7	Paper 7	Paper 7	Paper 7
12:00	1:00	Lunch						Seascape Ballroom
1:00	2:00	**Break Out Sessions, Continued**						
Location		Redondo 2,3	Bay Room	Catalina Room	Redondo Salon 1	Esplanade	Marina	TBD
		Track Lead:	Track Lead:	Track Lead:	Track Lead:	Track Lead:	Track Lead:	Track Lead:
1:00	1:30	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1
1:30	2:00	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2
2:00	2:30	Break						Redondo Foyer
2:30	4:30	**Leadership Panel**						
		Event			Person		Time	
		Panel Discussion Senior Engineer, RAND			Elliot Axelband (Moderator)			Redondo 1,2,3
		Sr. Vice President, BAH, INCOSE President-Elect			John Thomas			
		President Boeing Satellite Systems International, and VP of Commercial Satellite Systems for Space and Intelligence Systems			Steve O'Neil			
		Sector VP; Quality, Safety & Mission Assurance, Northrop Grumman Aerospace Systems			Christopher Cool			
		Director, Advanced Engineering Initiatives, Office of the Deputy Assistant Secretary of Defense for Systems Engineering			Robert Neches			
4:30	5:00	**Closing Comments**						Redondo 1,2,3
		Closing Remarks			Azad Madni			
		Closing Remarks			Beth O'Donnell			
		Closing Remarks			Terry Rector			

Intelsat, Inmarsat and SkyTerra, and previously managed the DIRECTV, Thuraya, Geostationary Operational Environmental Satellite and Tracking and Data Relay Satellite programs. Additionally, O'Neill is responsible for the recently established Satellite Services business unit, Commercial Satellite Services.

Mr. O'Neill was recently appointed to serve on the University of Nebraska, College of Law Advisory Board and is also a board member of the California Space Authority, a nonprofit corporation representing the commercial, civil and national defense/homeland security interests of California's diverse space enterprise community.

Robert Neches

Dr. Robert Neches serves in the Office of the Deputy Assistant Secretary of Defense for Systems Engineering (ODASD(SE)). He reports to the DASD and his Principal Deputy, and is responsible for developing technology fostering innovation in design and system engineering practices across the Department of Defense (DoD) and its industrial suppliers of new products, systems and technologies.

John Thomas

Mr. John Thomas is a Senior Vice President at Booz Allen Hamilton and its Lead Systems Engineer. He leads teams that plan and execute multi-million dollar complex system programs. His clients include U.S. government and industries worldwide. His current focus is supporting complex systems development activities for the U.S. federal government. With Mt. Thomas's Systems Engineering and Integration (SE&I) stewardship, Booz Allen (a $5 billion strategy and technology consulting firm) has invested in its Systems Engineers and SE methodologies for the purpose of enhancing the SE profession and its practitioners.

Mr. Thomas's assignments span leadership roles encompassing both programmatic and engineering activities. He is experienced in conducting strategic planning, communications strategy development, conflict management, business process analysis and leading decision making processes. Additionally John, has worked across the full systems development lifecycle of programs (from concept development through deployment) and led activity based costing estimates against technical baselines of programs

In addition, Mr. Thomas is a business coach and mentor to a number of Booz Allen's senior technical and management professionals. He is a spokesperson for Booz Allen, speaking to groups and media to help raise the relevance and importance of Booz Allen's systems engineers and SE&I services. He is an INCOSE member (since 1998) and currently serving as President-Elect. Mr. Thomas has also served as Program Director and President of the Maryland Chesapeake Chapter.

March Networking Event: Creating Congenial Connections

By Beth O'Donnell, President, INCOSE-LA

The INCOSE-LA Board of Directors hosted a lively evening at their first networking event for 2011, when over 20 members from the chapter joined together on March 16, 2011 at Lido's Italian Restaurant in Manhattan Beach. The evening was put together by Nehal Patel, the Networking Event Chair for the chapter, with the assistance of Paul Cudney, Membership Chair, who managed registration. As is usual for any event put on by our chapter, there were others who also assisted – updating the website, sending email invitations, and providing information and promotional items to display. Appetizers were provided compliments of the chapter at this "Happy Hour" type affair.

There was a good showing of new members in attendance during the evening event, including Clay Bosler, David Brown, Malia Harris, Tony Marquez, and TaShanna LaBorde – all of whom have joined INCOSE-LA in 2011. Members of the board who were able to attend included Past-President Roz Lewis, current chapter President Beth O'Donnell, Vice-president John Silvas, Programs Director Michael Kim, Membership Director Paul Cudney, and Networking Event Chair Nehal Patel. Chapter member Eric Belle, a previous chapter President and current INCOSE Member Board Co-chair, was also in attendance, along with other chapter members who were able to make time to come by, meet new people, and have discussions about the chapter, systems engineering, job opportunities and other topics.

Nehal also took the opportunity offered by this event to request volunteers for the upcoming Conference on Systems Engineering Research (CSER). She got approximately a dozen names to give to the CSER conference committee, to fill a variety of jobs – a great way for chapter members to get engaged in a chapter activity, for the benefit of both the members and the chapter. In networking during the course of the evening, Past-President Roz Lewis and Fred Brown, from Loyola Marymount University (LMU), discussed the upcoming CSER, resulting in Fred signing LMU up to sponsor an evening reception at the conference.

All said, this networking event was a great way for members to meet and mingle in a low key and enjoyable social setting. To quote Fred Brown, the evening "brought out a nice crowd that interacted very well – lots of networking going on." In addition, the chapter Board of Directors currently has plans for at least three more networking events during 2011, including another evening event, a summer BBQ, and our usual year-end holiday social. Because of the geographical diversity of our members, the goal is to offer these events at various locations in the Southern California area. Look to your email or to the Calendar of Events page on the INCOSE-LA website (www.incose-la.org) for information on future events as they are planned. If you are interested in volunteering to plan or help at any event, send an email to president@incose-la.org.

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*

Return Address:

800 S. Pacific Coast Hwy. #8-205
Redondo Beach, CA   90277

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
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Appointed Positions

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Professional Networking Chair:	Nehal Patel	nehal_p1_patel@raytheon.com		
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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.