



NEWSLETTER



2002, 2004-10



2003



**2008 President's
Award for Most
Outstanding
Chapter**



The Year Ahead: What's Next for INCOSE-LA

By John Silvas, President, INCOSE-LA, Member since 2006



It is with honor and excitement that I accept the presidency of the Los Angeles Chapter of INCOSE. Honor because of the opportunity to lead and represent such a great group of volunteers that possess so many years of systems engineering experience and excitement because of the challenges and experiences that lie ahead for all of us as a chapter in 2012.

In addition, there is the challenge of having such "big shoes" to fill, following the able leadership of our outgoing President, Beth O'Donnell, and her many competent predecessors.

Over the past several years, I have been extremely impressed with the knowledge and dedication the volunteers bring to chapter management and operations. After learning what it takes to run a chapter, and seeing the volunteers in action, it has been no surprise that the LA Chapter is consistently recognized as one of the top performing chapters of INCOSE. In addition to people's time and commitment, I have mostly appreciated the team's spirit and persistent focus on providing value to the chapter's members.

My primary objective in the coming year is to continue to increase the value of membership with highly collaborative events and informative products/services that directly translate into opportunities for the local systems engineering community to learn and further the discipline of systems engineering. I am very confident that the new Board of Directors will continue to

(Continued on page 6)

Reflecting Upon 2011

By Beth O'Donnell, Past-president, INCOSE-LA, Member since 2004



I stepped into the INCOSE-LA presidency in January of 2011 speculating if anyone had ever changed their mind and went running for the hills instead. Although I had been involved on our LA Chapter Board for several years, I was still wondering what I had gotten myself into. Well...I found out.

I was able to lead a team of people who are not only nice to know and work with, but who are also knowledgeable, creative, and focused on providing value to members of the LA Chapter of INCOSE. That has been the key phrase for this year – "bringing value". We all understand that we have a mission – to gather whatever resources we have available (people, time, money, education, or the like) to serve the members of the Los Angeles Chapter of INCOSE and others in the systems engineering community. Every member of the team – elected and appointed board members and numerous others who step up to help at one time or another – are volunteers. They are here because of their passion for the systems engineering discipline, or the desire to make a difference, or for one or more countless other reasons.

In the time I have spent volunteering with the Chapter, and especially during my presidency, I have gained even greater respect for what these people help to provide to our Chapter and to INCOSE.

Here's a bit of what was brought to you in 2011:

Eight speaker meetings – these included a town hall event, a panel on systems engineering certification, a tour at the UCLA Smart Grid Energy Research Center (SMERC) Lab, and presentations by notable speakers which included **Steven Welby** (Office of the Secretary of Defense for Systems Engineering), **Mitch Mitchell** (Aerospace Corporation), **John Thomas** (Booz Allen Hamilton and INCOSE President-elect), **Rajit Gadh** (UCLA SMERC), **Cihan Dagli** (Missouri University of Science and Technology), and **Judith Olson** and **Hadar Ziv** (University of California, Irvine). Members could attend one of several sites, for networking and participating - including the Aerospace Corporation (El Segundo), Booz Allen Hamilton (LA), Boeing (Huntington Beach), control point (Goleta), Jet Propulsion Laboratory (Pasadena), and Antelope Valley. The chapter has also begun consistently offering the opportunity for individuals to join in to most meetings on their own through virtual capability, thereby bringing these presentations to more members within our chapter's wide geographical area.

(Continued on page 6)

Congratulations to the 2012 INCOSE-LA Board of Directors:

Officers

President	John Silvas
Vice-President	Terry Rector
Secretary	Alan Kirschbaum
Treasurer	Harvey Soldan
Past President	Beth O'Donnell

At-Large Directors

Membership	Paul Cudney
Programs	Michael Kim
Systems Engineering Education.....	Larry Earnest
Ways and Means	Michael Maar
Communications	Edie Ung

UPCOMING EVENTS

January "Town Hall" Meeting

When: Tuesday, January 10, 2012
5:30 p.m. to 8:00 p.m.

Where: Booz Allen Hamilton, Los Angeles, CA
See page 3 for more details

INCOSE International Workshop

When: Saturday, January 21—Tuesday, January 24, 2012

Where: Jacksonville, Florida

See page 2 for more details

INCOSE-LA Strategic Planning Meeting

When: Saturday, January 28, 2012, 10:00 a.m.— 3:00 p.m.

Where: Booz Allen Hamilton, Los Angeles, CA
See page 3 for more details

SAVE THE DATE

February Speaker Meeting

When: February 14, 2012

Details in work

Conference on Systems Engineering Research 2012

When: March 19-22, 2012

Where: St. Louis, MO

See page 7 for more details

INCOSE-LA Mini-Conference

When: Saturday, March 31, 2012

Where: Loyola Marymount University, Los Angeles
See page 5 for more details

Inside This Edition

Features

The Year Ahead	1
Reflecting on 2011	1
INCOSE-LA Election Results	1
Year-end Holiday Party	4
Recap: IBM Event	7
Graduate Reference Curriculum Review	4

Education/Conferences

INCOSE International Workshop	2
January Town Hall Meeting	3
Strategic Planning Meeting	3
CSER 2012	7
INCOSE-LA Mini-Conference	5

2011 New Members	4
INCOSE-LA Board Members	8

International Workshop 2012

By Jorg Largent

INCOSE is starting off the year with a bang: the 2012 International Workshop (IW2012). INCOSE has been hosting workshops for many years, and the 2012 workshop promises to be in keeping with the tradition of interesting and information activities.

INCOSE's International Workshop is *the* event of the year for systems engineers to contribute to the state of the art. Unlike INCOSE's annual International Symposium and other conferences, there are no paper, panel or tutorial presentations. Instead, attendees spend four days working alongside fellow systems engineers who are there to make a difference. Systems engineers at all levels and from all backgrounds are encouraged to engage in working sessions, and contribute their knowledge and experience to take the discipline forward.

Jacksonville, Florida
January 21–24, 2012
See you there!

IW2012 facilitates working meetings for groups engaged in INCOSE's major projects and in international standards development, workshops to explore the systems engineering challenges in new sectors, opportunities for chapter leaders to meet and share best practice, support sessions to help you get the most out of INCOSE's shared working environment and a broad range of other technical meetings. Planned sessions and points of contact will be published on the website as these become available, and attendees are encouraged to contact the relevant session leaders before the event for further information.

IW2012 is open to INCOSE members, and non-members are encouraged to join INCOSE prior to the workshop.

The workshop will be held in Jacksonville, Florida, starting on Saturday, January 21, 2012 and ending on Tuesday, January 24, 2012. Detailed information and registration are available at: <http://www.event.com/events/international-workshop-2012/event-summary-8d55b030e39d46589bd70c743b72c1f0.aspx>

The Los Angeles Chapter of INCOSE will be there as well, and will be hosting a networking event. In the past, these events have been opportunities for systems engineers to get together and share experiences and camaraderie in a relaxed environment over an adult beverage. If history repeats, this alone is reason to attend! The Board of Directors hopes to see you there! Members from the Los Angeles Chapter will receive invitations by email.

Stay Connected

Get the latest on INCOSE-LA happenings in the Reflector e-mails

If you wish to be placed on our e-mail distribution,
contact Susan Ruth

susan.c.ruth@aero.org

January Town Hall Meeting Plus Officer Induction and Awards Ceremony

Presenters: Dr. Azad Madni, USC, and INCOSE-LA chapter officers

PARTICULARS

When: Tuesday, January 10, 2012, 5:30 p.m. to 8:00 p.m.

Location: Booz Allen Hamilton, LAX office
5220 Pacific Concourse Drive, Suite 200, Los Angeles

Cost: members-**FREE**; non-members-\$10.00

R.S.V.P. Required by Friday, January 6, 2012

Meeting agenda:

5:30 – 6:00 p.m. Registration, networking, refreshments

6:00 – 6:10 p.m. Welcome and announcements

6:10 – 6:40 p.m. Officer induction and awards ceremony

6:40 – 8:00 p.m. Town hall meeting

Refreshments will be provided.

Abstract: The January Speaker Meeting will be held at Booz Allen Hamilton LAX facility near El Segundo, and will be in a “town hall” format. Being as this is the first scheduled meeting for 2012, we will also take a short amount of time to present chapter awards, and **Dr. Azad Madni** (USC) will do the honors of inducting the newly elected officers to the INCOSE-LA board of directors.

It is anticipated that this meeting will be unique and of special interest to anyone who would like to know how the chapter operates and who would like to have a say in the programs, events, and activities of the chapter. We hope that is you.

Members are invited to “do the talking” - to discuss how the chapter can improve to better meet the needs of the membership. Participation by non-members is also encouraged – we’d like to know why you’re not a member of INCOSE and INCOSE-LA. Information will be presented on key focus areas, and questions will be presented to the audience, for the purpose of soliciting feedback and suggestions. The discussion is intended to support planning for the upcoming year and strategic planning for the future, and to provide chapter leaders insight for representing chapter interests in local activities and at upcoming international level events. Please join us, and share with us what you’d like your chapter to deliver.

NOTE: No remote sites are planned for this month’s meeting. The intent is to encourage in-person attendance, for better interaction and dialogue, based on the special nature of this month’s meeting.

We are providing virtual meeting capability for this event so that those who might otherwise be unable to participate may do so. See the web page for this event on the INCOSE-LA website (www.INCOSE-LA.org) for more information on joining as an individual virtual participant.

R.S.V.P.: R.S.V.P. online at www.INCOSE-LA.org. Click on the link for this speaker meeting from the “Upcoming Events” section on the home page, navigate to the web page for this event and click on the link for registration.

If you are uncertain whether or not you'll be able to attend, do make a reservation and indicate that you're uncertain. *We*

request that all reservations are made online.

Directions to Booz Allen Hamilton:

From the San Diego (405) Freeway traveling south:

1. Take exit 46 toward Century Blvd. West/LAX.
2. Turn left (south) on south La Cienega Boulevard.
3. Turn right onto Pacific Concourse Drive.
4. Follow the road until you reach the second 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).
5. After passing the gate, turn left and park in the visitor parking lot. Walk past the water fountain, across the rotunda to building 5220. Meeting will be on the second floor, Suite 200.

From the San Diego (405) Freeway traveling north:

1. Take the El Segundo Boulevard exit, exit 44, toward Hawthorne Blvd.
2. Turn left onto west El Segundo Boulevard.
3. Turn right (north) on south La Cienega Boulevard.
4. Proceed on La Cienega until the third stoplight.
5. Turn left onto Pacific Concourse Drive.
6. Follow the road until you reach the second 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).
7. After passing the gate, turn left and park in the visitor parking lot. Walk past the water fountain, across the rotunda to Building 5220. Meeting will be on the second floor, Suite 200.

Strategic Planning Meeting

By John Silvas and Alan Kirschbaum

PARTICULARS

When: Saturday, January 28, 2012, 10:00 a.m. to 3:00 p.m.

Where: Booz Allen Hamilton, 5220 Pacific Concourse Dr.
Building 5220 - 2nd floor, Suite 200, Los Angeles 90045

The Los Angeles Chapter of INCOSE will hold its first strategic planning meeting (SPM) for 2012 on Saturday, January 28, 10:00 a.m. to 3:00 p.m., at the Booz Allen Hamilton facility near El Segundo, CA. The SPM provides an opportunity for chapter elected and appointed officers, members, and volunteers to plan the chapter activities and to strategize on the direction and goals of the chapter for the coming year.

The INCOSE-LA Board welcomes active participation and contributions from any chapter member. Members unable to attend are encouraged to provide input or to suggest agenda items via e-mail to John Silvas at john.silvas@bah.com. An R.S.V.P. website linked from INCOSE-LA.org will be established prior to the meeting.

The meeting outcomes will establish the approaches the chapter will employ to maintain and improve the health and vitality of the chapter and provide value to chapter members.

The Board of Directors wishes to welcome and thank all of the 2011 new members in the Los Angeles Chapter of INCOSE:

Name	Title	Company	Name	Title	Company
Ihab Abdel-Malak	Custom Application Development Supervisor	Los Angeles County	Bruce Lagatree	Principal Systems Engineer	Systems Engineering Solutions
Luis Aguilera			Karla Lima		
Maria Alvarez-Ruiz	Software Engineer/Student	Stevens Institute of Technology	Michael Lopez	Senior Associate	Booz Allen Hamilton
Louise Anderson	Software Systems Engineer	JPL	Tony Marquez	Systems Engineer	Mark Marquez
Shruti Baharani	Mechanical Design Engineer II	Intelligent Energy	Phil Matuzic	Assoc Tech Fellow	The Boeing Company
Lee Beckstrom		Control Point Corporation	Joshua McDonald	System Architect	Saker Systems
Chuck Bilbey	Lead Associate	Booz Allen Hamilton	Andy Meeker	Research Engineering Manager	Lockheed Martin
Clay Bosler	Architect	LinQuest Corp.	Sapna Mehta	Principal Engineer 3	DIRECTV INC
Maggie Bradshaw	Sr. Program Manager	Medtronic Diabetes	Mario Mendoza	Associate Consultant	Booz Allen Hamilton
David Brown	Sr. Principal Systems Engineer	Raytheon	Jessica Mubarak	Systems Engineer	Booz Allen Hamilton
John Campbell	System Test/Verif & Valid. Engineer	ManTech International/JPL	Michela Munoz	Juno Payload/Instrument Operations Systems Engineer	NASA JPL, California Tech
Brian Carter	Systems Engineer	Northrop Grumman	David Murray	Flight Control Systems Engineer	The Boeing Company
Leo Cheng	Mission Systems Engineer		Robert Neches		
David Cordell	Sr. Systems Engineer	IT/NASA/Dell Federal	Jacqueline Newton	Systems Engineering Technical advisor	Sator Corporation
Becky Darrah	Systems Engineer	Boeing	Dan Ogar	Senior System Engineer	SPARTA, Inc.
Dave Dimas	Director of Engineering, IT and Life Sciences	UC Irvine Extension	Cesar Palerm	Principal Scientist	Medtronic Diabetes
Daniel Dvorak	Systems & Software Engineer	JPL	Monesh Patel	Sr. Director	Medtronic
Per Elmfors	Systems Engineer	FLIR Systems	Amanda Ragan	System Engineering Manager	Northrop Grumman
Sy Ferdman	Sr. Systems Engineer	Northrop Grumman	Shawn Rahmani		
Elyse Fosse	Software Systems Engineer I	JPL	Jane Rands	Systems Engineer	Northrop Grumman
James Frakes	Student		Delia Reyes	Student	University of Southern California
Alexander Goumas	Lead Associate	MCR Federal, LLC	Ian Robinson		
Jim Grimes	Senior System Engineer	JPL	Robin Runk	Electronics Technical Supervisor	Los Angeles Unified School District
Ndeye Gueye	Research Assistant	Loyola Marymount University	Rudy Rusali	IPT Lead	Eaton Aerospace
Michael Gugel	Sys Engr-Field Tech Spt. Sr.	Lockheed Martin Corporation	Jeff Schodorf	Senior Corporate Engineer	LinQuest Corp.
Lory Hansen	Systems Engineering Manager	ATK	Gregg Scott		
Mala Harris	Principal Systems Engineer	Raytheon	Mike Sievers	Senior Systems Engineer	JPL
Colin Helms	Chief Engineer	Boeing	Ernest Stambouly	Owner	Cephas Consulting Corp.
Cate Heneghan	System Engineer	JPL	Mike Stanifis	Associate	Booz Allen Hamilton
Bob Hermann	Senior Manager	LinQuest Corp.	Paul Stowell	Engineering Director	Control Point Corporation
Sung Ho	Sr. Associate	Booz Allen Hamilton	Denton Tarbet	Sr. Consultant	Galorath Incorporated
Stephen Houston	Affordability System Engineering Manager	Boeing	Kent Thomson	Project Manager, Smart Grid Development	Energy
Brian Johanson	Systems Engineer	Boeing	Justin Trice	Senior Systems Engineer	Raytheon
Ryan Kent	System Engineer Consultant	Booz Allen Hamilton	Dave Van Gogh	Systems Engineer	Newport Corporation
Scott Kinsey	Senior System Engineer	General Dynamics	Donald Vossler	Vice President	Siemens
John Kustura	Deputy Program Manager	SAIC	Mitch Wenger		
TaShanna LaBorde	Sr Mechanical Eng.	Northrop Grumman	Kevin Wilson	Principal Engineer	The Aerospace Corporation

At a Home for the Holidays

By DeAnna Regalbuto

On Sunday, December 11, approximately 30 members of INCOSE-LA had the privilege and delight of celebrating the holiday season at the home of Susan and Ed Ruth. It was a comfortable, casual affair set amongst a fascinating assemblage of aerospace, world travel, and literary collectables. The menu featured shrimp fajitas, tamales, and a decadent assortment of miniature pastries.

The highlight activity was the “white elephant” gift exchange. Each guest who wanted to participate in the gift exchange brought a “white elephant”—a wrapped, non-gag gift - something one already owned, but felt guilty about throwing away. As people randomly selected and opened gifts from under the decorative tree, other partygoers were allowed to “steal” the opened gifts up to two times. There was a lot of oo-ing, ah-ing, and head scratching as gifts emerged from their wrappings. There was even more by way of laughter as people stole or promoted the theft of gifts. (The old saw, “Take my wife—please,” comes to mind.)

On a personal note, not only did I find the gathering a jovial respite from frenetic holiday preparations, I ended up with a gift our cat really likes.

Call for Reviewers:

Graduate Reference Curriculum

The Graduate Reference Curriculum for Systems Engineering (GRCSE™) is a set of recommendations for a systems-centric master’s level graduate program in systems engineering, together with implementation guidance for a university to satisfy those recommendations. It is one of two products of a larger project, the Body of Knowledge and Curriculum to Advance Systems Engineering (BKCASE™). The other product, which preceded GRCSE and on which it draws, is the *Guide to the Systems Engineering Body of Knowledge* (SEBoK). (Pyster and Olwell (eds.) et al. 2011)

GRCSE describes a program for a professional master’s degree focused on developing student ability to perform systems engineering tasks and roles.

BKCASE invites the systems engineering community to review version 0.5 of GRCSE and to provide any feedback by March 7, 2012. The review document as well as instructions and reviewer forms are located at <http://www.bkcase.org/grcse-05/>. Additional information about BKCASE can also be found at the same website.



Call for Presentations

INCOSE LOS ANGELES CHAPTER (INCOSE-LA) 2012 Mini-Conference Saturday, March 31, 2012 Loyola Marymount University (LMU), Los Angeles CA



Systems Engineering for Agility and Affordability

Systems Engineers have a long and successful track record of delivering large and complex systems. In response to a fast paced, cost constrained and continuously changing world, systems development has become closely integrated with business objectives like value creation and assured ROI. Investment capital requires low costs, manageable risks, and high reliability, which in turn makes a disciplined approach to systems engineering even more critical and places a higher premium on program execution.

This **mini-conference** will consider practical approaches to performing system engineering (SE) more efficiently and effectively, which may involve bringing more 'agility' into SE processes.

In order to advance SE as a discipline and as a profession, we invite you to submit a one page abstract of your idea for a presentation. Suggested topics include:

- Innovative methods for designing affordable solutions in an environment where requirements are increasingly more complex and funding is limited
- Assuring completeness and discipline in the systems engineering process while embracing an agile mindset.
- Use of new collaborating technologies, including web-based platforms, to manage globally distributed development resources.
- New architectural paradigms like service-oriented architecture and cloud computing.
- Capturing agility, responsiveness, and trustworthiness as design attributes in system trades.
- Early concept engineering and the need for speed, including the rapid conceptualization, design and manufacture of highly resilient, adaptable systems.
- Case studies on successful collaborative and/or cross-industry projects are especially welcome. A common, integrated set of best practices that could enhance overall program success.

Presentations will be limited to 20-25 minutes with 5-10 minutes of Q&A, for a total time of 30 minutes. Please send a one-page or less summary of your presentation to the Technical Chair, Bruce Riggins (email: bruce.riggins@incose.org) by **January 20, 2012**. You will be notified of acceptance by **February 6, 2012**. Your final presentation is due by **March 9, 2012**. When you are notified of acceptance, the presentation format will be provided. Ideally, all communications will be through email. If this is not possible, please advise immediately so that we can make arrangements to accommodate your needs. Should you have further questions, address them to 2012MC@incose-la.org or to bruce.riggins@incose.org.

www.incose-la.org



Silvas, Looking Ahead (Continued from page 1)

work as a team to bring excellence to our diverse membership. I also know that there are many talented people within our Chapter who could offer their leadership, experiences, perspectives, and time to benefit our members, and I encourage them to volunteer.

In the coming year, we will continue to provide timely, informative, and high-quality speaker meetings, communications, and educational experiences. We will also continue to seek opportunities to collaborate with local schools, universities, and other professional organizations to advance our systems engineering agendas in ways that are mutually beneficial to our organizations. For example, we will conduct a “town hall” style speaker meeting on January 10 to share our ideas for the chapter’s priorities and plans for the coming year and to obtain our members’ inputs on these ideas (details on page 3).

Another example of a chapter activity and outreach diversity opportunity is the newly established INCOSE Student Division at USC (Viterbi School of Engineering, Industrial and Systems Engineering – Systems Architecting & Engineering Program). This is the first of several student division relationships we hope to develop within our chapter. By working with the faculty advisors and students of systems engineering, we look forward to building a better bridge between industry and academia.

In closing, allow me to reemphasize that it is an honor to represent the Los Angeles Chapter as the 2012 President. I appreciate this opportunity, and I look forward to working with the board members and other volunteers to serve our membership in a meaningful way in the new year.

O'Donnell, Reflecting Back (Continued from page 1)

Three educational events – the chapter presented two tutorials this year – a 2-day event on the **Object Management Group Systems Modeling Language** and **Object-Oriented Systems Engineering Method** by Sandy Friedenthal, a well-known authority on the subjects, and a 1-day event on **enterprise engineering and architecture analysis**, presented by Walter Wilson (Lockheed Martin Corporation). We were also able to provide our members the opportunity to participate in an **interview skills workshop**, which was put on and subsidized by four local professional organizations - INCOSE-LA, AIAA-LA Chapter, IEEE-LA Section, and Massachusetts Institute of Technology Club of Southern California

Seven networking events – in 2011 the chapter endeavored to expand its reach, to provide networking opportunities for our members at a variety of venues and locations. The chapter hosted networking social events for our members in Manhattan Beach and in Pasadena. Joining with National Association for Asian American Professionals-LA, INCOSE-LA co-sponsored a fundraiser networking event in the South Bay to benefit the American Red Cross and victims of the Japan earthquake and tsunami. We also took opportunities to reach members and others from our region by hosting networking socials at the International Workshop in Phoenix AZ and at the International Symposium in Denver, CO. Our chapter also joined in with IBM

Rational to sponsor a mixer at their recent systems and software mini-symposium and workshop in Costa Mesa. And to wrap up the year, the chapter offered members and guests a fun and free holiday event and gift exchange at the home of hosts **Susan and Ed Ruth** in Whittier.

An international systems engineering conference – sponsored by the University of Southern California (USC) in collaboration with Stevens Institute of Technology, and managed by INCOSE-LA, we hosted the successful 9th Annual Conference on Systems Engineering Research in April, which brought together almost 200 attendees, with paper presentations in six tracks, banquet and plenary speakers, and a leadership panel.

A new **INCOSE Student Division** associated with the our chapter – one of our 2011 goals was to initiate one or more student divisions. We have recently achieved success by joining with USC, with Dr. Azad Madni as advisor and students from the Daniel J. Epstein Department of Industrial and Systems Engineering. We also look forward to working with other local universities in the near future to forge valuable liaisons through creation of additional student divisions.

Twelve newsletters – every month this year our capable newsletter team worked hard to provide our members with information on upcoming and past events, membership information, and interesting articles on systems engineering topics.

Multiple communications, through email notifications and the chapter website – called the INCOSE-LA “Reflector”, our emails provided members and other interested subscribers with information on activities and events sponsored by our chapter, along with notifications of other activities we believed would be of interest and value. These included notifications on all chapter events, along with information on activities sponsored by INCOSE or other providers or chapters in our region. The Chapter website was maintained to also provide up-to-date information on these events, along with a repository for presentations offered in the past, and electronic copies of the chapter newsletter and other chapter information.

Bringing all of this to chapter members takes the dedication and effort from many volunteers. I would encourage anyone else who has an interest in becoming involved in the chapter leadership to contribute your perspectives and your expertise and enable the chapter to provide even more value to the members – related to varied industries, or new or different systems engineering topics, educational opportunities, or community projects, among others. I encourage you to attend the January 10th “town hall” meeting to contribute your feedback and suggestions, and would also urge anyone interested in becoming more involved to attend the chapter’s all-day strategic planning meeting, which is scheduled for January 28th.

I have been very proud and honored to lead the accomplished INCOSE-LA team this year. I would like to thank my management and employer, The Boeing Company, for their continued support – it has made my tenure as President that much easier. I also thank you, our members, for the opportunity I was given, and I ask that you join me in welcoming and supporting our new 2012 INCOSE-LA President and Board of Directors.

Recap: IBM Rational Systems and Software Engineering Symposium

By Padman Nagenthiram

The IBM Rational Systems and Software Engineering Symposium was held at the Hilton Orange County, in Costa Mesa, on Tuesday, December 13, 2011. This was followed by hands-on workshops on the IBM Rational Systems and Software Engineering Solution with requirements management using Rational DOORS on December 14. These workshops were repeated, due to overwhelming demand, on December 15. The workshops were held at the IBM offices at 600 Anton Boulevard, also in Costa Mesa. The purpose of the event was to show how IBM Rational is helping to lead the innovation agenda in the face of increased complexity for systems engineering and software. The symposium began with a plenary session followed by 20 presentations in three parallel tracks. The symposium concluded with a reception followed by a demonstration of the IBM computer Watson playing jeopardy and beating the two all-time greatest champions. The Los Angeles Chapter of the International Council On Systems Engineering (INCOSE) supported the symposium by participating in the plenary session and the reception.

The plenary session began with an introduction and welcome by Michelle Specht of IBM. This was followed by a presentation on INCOSE and the Los Angeles Chapter by Padman Nagenthiram. Greg Sikes (IBM) kicked-off the technical part of the symposium by addressing how integrated systems engineering processes and tools are addressing the challenges of today's complex systems and paving the way for greater innovation. The keynote speaker was Dr. Kirstie Bellman (Aerospace Corporation) who addressed the challenges in verification and validation of complex systems.

The parallel tracks addressed systems engineering and software development across many different industries. Greg Gorman (IBM) and Manohar Rao (IBM) discussed the IBM Rational solution and gave a demonstration of the tools: IBM Rational DOORS, Rhapsody, Quality Manager and Concert, and how they work together. Other topics addressed included improving the agility in systems engineering using open services for lifecycle collaboration (OSLC), model-based systems engineering with SysML and automating document generation. There were also a number of presentations on DOORS being applied to diverse projects including how the Jet Propulsion Laboratory (JPL) used it in getting to the planet Mars and beyond, and how the U.S. Food and Drug Administration (FDA) validated systems for their use. Shirley Tseng (INCOSE, Los Angeles Chapter) chaired the round table on the Systems and Software Chapter Congress (SSCC) a collaboration of a number of organizations focused on systems and software. She also represented both INCOSE, Los Angeles Chapter, and the SSCC at the reception.

NOT A MEMBER? JOIN INCOSE!

Learn more about becoming a member by clicking on:

<http://www.incose.org/membership/valueofmembership.aspx>

Conference on System Engineering Research

St. Louis, MO, March 19-22, 2012

By Sue Turner

In today's integrated global society, systems engineering and architecting are essential for the continuous global change in systems needs. CSER 2012 will push the boundaries of systems engineering research and respond to new challenges for systems architecting and engineering.

Missouri University of Science and Technology is honored to host CSER 2012 at The Hilton St. Louis at the Ball Park in St. Louis, Missouri, March 19 through March 22, 2012.

This year, sixty-nine papers will be presented in the areas of complex systems, systems architecting, model-based systems engineering, human system integration, and systems engineering applications. Each paper was previously reviewed by two referees and revised based on their comments. The papers will report on new research in systems engineering and architecting helping to germinate new research ideas. The conference proceedings are currently being compiled for publication in Procedia Computer Sciences, an online publication hosted by SciVerse ScienceDirect. Papers will also be submitted to Scopus for indexing. A copy of the proceedings will be distributed to all paid attendees. Panels and banquet talks discussing the research needed in achieving Systems 2020 vision will support presentation of the papers.

Attendees will have the chance to select two papers for the best paper award based on nominations of the referees. Authors of the selected papers will be invited to submit their papers for consideration in the International Journal of General Systems.

CSER 2012 will follow the tradition of hosting the SEANET workshop supported by INCOSE on March 19, 2012 from 8:30 am – 5:00 p.m. at The Hilton St. Louis at the Ballpark. The workshop fosters and accelerates doctoral research in the field of systems engineering by connecting student researchers through a network. The SEANET workshop will feature speakers, panel sessions, and working sessions to aid students in completing doctoral education and research. Students may register for the SEANET workshop at http://cser.mst.edu/SEANET_workshop.html.

Online registration for the 10th Annual Conference on Systems Engineering Research (CSER 2012) is now open at <http://cser.mst.edu/registration.html>. The conference program will be available at <http://cser.mst.edu/> in early January. Early bird registration deadline is February 12, 2012. Students receive a special fee for the conference. Ph.D. students may wish to also attend the Systems Engineering & Architecting Network (SEANET) workshop on March 19 as well.

We are looking forward to your participation at CSER 2012. Please contact Latesha Zach cser@mst.edu for further information.

For up-to-the-minute event details:

- ◆ Check future editions of the
- ◆ Visit the INCOSE-LA website at www.incose-la.org
- ◆ Newsletter
- ◆ Watch your email for the Reflector

INCOSE-LA Chapter NEWSLETTER

Vol. 10, Issue No. 1 January 2012

Return Address:

**PO Box 10969
Westminster, CA 92685-0969**

Forwarding Address Requested

The International Council on Systems Engineering (INCOSE) is an organization formed to advance the art and science of systems engineering in both the public and private sectors. INCOSE's mission is to advance the state of the art and practice of systems engineering in industry, academia, and government by promoting interdisciplinary, scalable approaches that produce technologically appropriate solutions that meet societal needs.

The Los Angeles Chapter meets several times per year for speaker meetings, and, in addition, sponsors tutorials, mini-conferences and other activities of interest to those in the systems engineering field or related fields.

2012 Board of Directors

Elected Officers			Elected At-large Directors		
President	John Silvas	silvas_john@bah.com	Membership	Paul Cudney	paul.cudney@incose.org
Vice-President	Terry Rector	terry.rector@incose.org	Programs	Michael Kim	michael.kim@jhuapl.edu
Past President	Berh O'Donnell	elizabeth.odonnell@incose.org	Systems Engineering Education	Larry Earnest	Larry.earnest@incose.org
Secretary	Alan Kirschbaum	alan.kirschbaum@incose.org	Ways and Means	Michael Maar	michael.maar@incose.org
Treasurer	Harvey Soldan	harvey.soldan@jpl.nasa.gov	Communications	Edie Ung	edie1121@mac.com
Appointed Positions					
Newsletter Co-editor	Jorg Largent	jorg.largent@incose.org	Newsletter Co-editor	DeAnna Regalbutto	deanna.regalbutto@verizon.net
Technical Society Liaison	OPEN		Reflector Manager	Susan Ruth	susan.c.ruth@aero.org
Chapter Recognition Manager	Joshua Sparber	Joshua.sparber@dcma.com	Industrial Relations Manager	Jose Garcia Jr.	jose.s.garcia-jr@boeing.com
Professional Networking Chair	Nehal Patel	Patel_nahal@bah.com	Website Technical Manager	Mark Gallo	mark.gallo@incose.org
2012 Mini-Conference Chair	Michael Wallace	m.wallace@ngc.com	Lead Site Coordinator	OPEN	
2012 Mini-Conference Technical Chair	Bruce Riggins	bruce.riggins@incose.org	Rep to the SF Valley Engineer's Council	Stephen Guine	Stephen.Guine@ngc.com
Student Division Ambassador	Michael Kim	michael.kim@jhuapl.edu			