



# NEWSLETTER



2002, 2004-10



2003



**2009 President's  
Award for Most  
Outstanding  
Chapter**



## 2010: A Year of Reaching Out

*By Rosalind Lewis, Current Past President, member since 1997*

I began this year as President, humbled by the dedication, efficacy, and generosity of the many volunteers that keep our chapter strong. I referred to our Chapter as a system, a system that provides professional development and networking opportunities by creating, organizing, and hosting speaker meetings, tutorials, conferences, and social gatherings. Furthermore, this system, our Chapter, is enabled by capabilities that include: membership outreach, the website and *Newsletter*, email notifications, and liaisons to industry and other organizations. These functions and enabling capabilities are only possible because of the many people that give of themselves to make it all happen. So, as I conclude my year as President, I think of the saying, “no duty more urgent than that of returning thanks.” (St. Ambrose). I appreciate all of your efforts and hard work over the past year.



I look forward to continue working with our chapter. As an organization we must continuously seek to understand the needs of our members and the challenges of our profession. As individuals we must recognize that “nobody can do everything, but everyone can do something” and have fun along the way. I did! Please join me in welcoming our 2011 board, and, more importantly, please join me in supporting our 2011 INCOSE-LA Chapter. I'll be there and I hope to see you as well.

## 2011: AN EXCITING NEW YEAR!

*By Beth O'Donnell, President, member since 2004*

It is with excitement and yet a bit of trepidation that I step into the Presidency of the Los Angeles chapter of INCOSE—excitement because of the exciting experiences ahead of us in 2011, and some trepidation because of the continuing challenges of the times. And, in addition, there is the challenge of having such “big shoes” to fill, following the able leadership of our outgoing president, Roz Lewis, and her many competent predecessors.



Our chapter has many knowledgeable and capable systems engineers who actively work to make ours a chapter that provides products and services of value to our members. I have worked with many such dedicated individuals since I joined INCOSE-LA in 2004, giving me confidence that we can continue to work as a team to bring continued excellence to our diverse membership. I know that there are many more talented people within our Chapter who could help even more by bringing their knowledge, experiences, perspectives, and time to benefit our members, and I encourage them to volunteer to do so - for personal satisfaction and professional growth.

I feel we need to continue to bring new opportunities, information, and experiences to the members of the Chapter. Your new Board of Directors will do so by continuing our long-standing efforts to provide timely, informative, and high-quality speaker meetings, communications, and educational experiences, as well as by looking into other opportunities such as outreach to local schools and universities and to other professional organizations. Another potential outreach is to engage with a local non-profit organization that has a systems engineering related project in need of support.

Toward this end, I would like to encourage our members to let their Board of Directors know their thoughts and to get involved. If there is something you feel the Chapter should be doing, I encourage you to attend our January 11th “town hall” meeting (details on page 3). The purpose of the town hall meeting is to afford an opportunity for the Board of Directors to learn more about the interests of the membership as well as to discover any messages and concerns that the Board of Directors can take to the INCOSE International board at the upcoming International Workshop. If you are unable to attend this “town hall” meeting, feel free to send me an email directly, at [elizabeth.l.o'donnell@boeing.com](mailto:elizabeth.l.o'donnell@boeing.com).

In closing, allow me to say that it is an honor to represent INCOSE-LA as the 2011 President. I appreciate this opportunity and I look forward to working with the other board members and volunteers to serve our membership in a meaningful way this year.

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## UPCOMING EVENTS

### January "Town Hall" Meeting

An opportunity to share ideas on the value of membership,  
**Officer Inductions, and Awards Ceremony**

When: Tuesday, January 11, 2011, 5:30—8:00 p.m.

Where: The Aerospace Corporation, El Segundo

Cost: No charge for this meeting

**Members and non-members are all welcome to participate!**

*See page 3 for details*

### INCOSE International Workshop 2011

When: Friday-Tuesday, January 29—February 1, 2011

Where: Hyatt Regency, Phoenix, AZ

Go to [www.incose.org](http://www.incose.org) for more details

### February 2-Day Tutorial

#### **Model-Based Systems Engineering/SysML**

Presenter: Sanford Friedenthal

When: Friday-Saturday, February 4-5, 2011

Where: The Aerospace Corporation, El Segundo

NOTE: Registration deadline is January 31, 2011

*Details on page 7*

### February Speaker Meeting

#### **"Advancing the Systems Engineer's Career" and "OSD DDR&E Future Planning"**

Speaker: John Thomas, Senior Vice-President and  
Lead Systems Engineer, Booz Allen Hamilton  
(and President-Elect, INCOSE)

When: Tuesday, February 8, 2011, 5:30—8:30 p.m.

Where: The Aerospace Corporation, El Segundo

*Details on page 4*

## ***SAVE THE DATE***

### CSER 2011: Conference on Systems Engineering Research

When: April 15-16, 2011

Where: Crowne Plaza Hotel, Redondo Beach, CA

*Details on pages 2 & 5*

## **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](mailto:susan.c.ruth@aero.org)



## **CSER Wants YOU!**

*By Terry Rector*

*Conference Management Chair, member since 2009*

WOW! Our Conference on Systems Engineering Research (CSER) 2011 preparations continue with great force. Our venue planning is nearly completed: a social with the Systems Engineering and Architecting Doctoral Student Network (SEANET) and a dinner banquet have been planned, many of the industry's finest talent are either speaking during the Plenary Session or participating on our Leadership Panel, and lastly, over 160 abstracts are currently under review to fill 119 breakout session openings.

We are currently seeking for you, the member, to help INCOSE-LA ensure a successful conference. The CSER committee is strongly focusing our efforts on creating or building up the interest of the business communities to sponsor or exhibit at the conference. We invite you to contact your corporate leadership and ask them to consider using the CSER 2011 event as an opportunity to make a statement in support of the systems engineering profession, in academia and in industry. Sponsorship can be either through providing funding or by providing services and/or products in kind.

Is your company interested in exhibiting its capabilities to the CSER 2011 attendees? Are you looking for potential applicants to fill key positions in your company? CSER 2011 will be your access to many of the industry's brightest engineers. Take advantage of this opportunity for sponsorship, networking, recruiting - and make a difference within your company as well as within the industry.

For more information regarding sponsorship or exhibiting, contact Terry Rector at [terry.rector@comdev-usa.com](mailto:terry.rector@comdev-usa.com), Jose Garcia at [jose.s.garcia-jr@boeing.com](mailto:jose.s.garcia-jr@boeing.com), and/or Shirley Tseng at [shirleytseng@earthlink.net](mailto:shirleytseng@earthlink.net).

Additionally, we need VOLUNTEERS! The committee is very excited about this conference, and we invite you to share in this enthusiasm as a volunteer. CSER 2011 is giving us so many opportunities to work together with our conference partners - The University of Southern California, Stephens Institute of Technology, and our SEANET planners/managers from Massachusetts Institute of Technology. If you are also excited about what this event means to systems engineering and the INCOSE-LA Chapter, we invite you to inquire about the volunteer opportunities by contacting Harvey Soldan, our volunteer coordinator, at [harvey.soldan@jpl.nasa.gov](mailto:harvey.soldan@jpl.nasa.gov).

## **JANUARY "TOWN HALL" MEETING**

**An opportunity to share ideas on the values of membership**

### **PARTICULARS**

**When:** January 11, 2011, 5:30-8:00 p.m.

**Where:** The Aerospace Corporation  
200 North Aviation Blvd., Building D8, room 1010, El Segundo

**Cost:** No charge for members and non-members alike!

*All are welcomed and encouraged to participate!*

*Substantial refreshments will be provided at the host site.*

### **Meeting Agenda:**

5:30 – 6:00 p.m. registration, networking, refreshment

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

6:10 – 7:10 p.m. town hall meeting

7:10 – 7:45 p.m. installation of new officers

*Substantial refreshments will be provided at the host site.*

**ACTIVITIES:** The January speaker meeting will be a departure from our usual format, in which one of our colleagues shares experiences and lessons learned. This month, the Board of Directors wants to hear from you, members and non-members. This town hall meeting is intended to be an interactive discussion for the Board to learn how the Chapter can better meet the needs of the membership. This discussion is intended to support planning for the upcoming year and to provide Chapter leaders with the insight and understanding needed to better represent the chapter at upcoming international events.

Example discussion questions are as follows:

- What does the Chapter do well for its members?
- How can the Chapter improve the value to its members?
- What opportunities have you had to network with systems engineering professionals from our local chapter?
- What makes, or would make, the systems engineering presentations at speaker meetings, tutorials, and mini-conferences, of interest and of value?
- What makes, or would make, the Chapter *Newsletter* and webpage helpful and informative?
- How, and for what purpose, do you use the INCOSE-LA Chapter, and is it helpful?
- In regards to the international organization, what opportunities have you had to network with systems engineering professionals in Working Groups?
- What does INCOSE do well for its member?
- How can INCOSE improve its value to the members?
- What makes, or would make, the INCOSE communications (quarterly *INSIGHT* and *Journal of Systems Engineering*, monthly *eNote*, etc.) helpful and informative?

Please mark your calendar, collect your thoughts, and come prepared to participate in an evening of dialogue.

Following the town hall discussion, there will be a brief ceremony to install the new Chapter officers and recognize volunteers.

**R.S.V.P.:** R.S.V.P. by registering online at <http://www.incose-la.org> or by sending an email to

[registration@incose-la.org](mailto:registration@incose-la.org) (please include "INCOSE-LA January Speaker Meeting" in the subject line). Please provide your full name, title, company, phone number, and email address. Also, state whether you are a US Citizen, resident alien, or foreign national, and members must include your INCOSE member number. US Citizens and resident aliens must R.S.V.P. by Friday, January 7, 2011. Foreign Nationals wishing to attend must R.S.V.P. by Tuesday, January 4, 2011. Please bring your picture identification (driver's license, passport or green card) to the meeting.

If you are uncertain whether or not you'll be able to attend, DO make a reservation and indicate that you're uncertain. **You MUST R.S.V.P. to attend. NO EXCEPTIONS.**

**DIRECTIONS:** From the 405 Freeway, head west on El Segundo Boulevard. Turn right on Aviation Boulevard (north). Building D8 is the third building on the right, just past the bakery. There is an Aerospace sign on the fence. Turn in and park in any parking spot other than "Reserved or Carpool" and badge in through the lobby in the center front of the building, near the flagpole. Our meeting room, room 1010, is adjacent to the lobby.

**Site contact:** Susan Ruth, phone: 310.336.6765, email: [susan.c.ruth@aero.org](mailto:susan.c.ruth@aero.org).

### **CAN'T MAKE IT TO AEROSPACE?**

We are planning to offer the capability for virtual attendance, so that individuals who are not otherwise able to attend in El Segundo may participate. No remote sites are planned to encourage in-person attendance, for better interaction and dialogue, based on the unique nature of this month's meeting.

No live video will be offered, but virtual attendees will be able to view any charts that are presented and to hear speakers or discussions. Virtual attendees will not be audible but may submit comments or questions through a facilitator who will monitor the "Question and Answer" function within the meeting space application. Details and sign-on instructions will be posted to [www.incose-la.org](http://www.incose-la.org) as soon as available.

## **Membership Benefits & Opportunities**

*Did you know?* That you have an INCOSE-provided e-mail alias in the form of [firstname.lastname@incose.org](mailto:firstname.lastname@incose.org)? You can redirect e-mail from this address to an address of your choosing by logging in to the member-only SharePoint <https://connect.incose.org>. Don't know about connect? More information is here: <http://www.incose.org/members/accessConnect.aspx>

*Did you know?* INCOSE-LA Strategic Planning meetings are open to any members who want to become more involved in the Chapter operations and volunteer opportunities.

We are tentatively planning our next meeting in January 2011. If you are interested, please reply to [secretary@incose-la.org](mailto:secretary@incose-la.org).

**FEBRUARY SPEAKER MEETING**  
**“Advancing the Systems Engineer’s Career”**  
and  
**“OSD DDR&E Future Planning”**

**Presenter:** John Thomas, Senior Vice-President and  
Lead Systems Engineer, Booz Allen Hamilton,  
INCOSE President-Elect

**PARTICULARS**

**When:** Tuesday, February 8, 2011, 5:30—8:30 p.m.

**Where:** The Aerospace Corporation  
200 North Aviation Blvd., Building D8, room 1010, El Segundo  
*Remote sites will be available.*

**Cost:** Members-*FREE*; Non-members-*\$10.00*

**Meeting Agenda:**

5:30 - 6:20 p.m. Registration, networking, refreshments  
6:20 - 6:30 p.m. Welcome and announcements  
6:30 - 7:45 p.m. Presentation followed by questions and answers  
*Substantial refreshments will be provided at the host site.  
(Contact Remote Site POCs for more information regarding  
refreshments at remote site locations.)*

**ABSTRACT:** The presentation this evening will cover two major topics.

The first topic will be related to advancing the system engineer’s career – noting that career advancement can be frustrated, at times, by the lack of interest in the application of the process, often indicating that the systems engineering voices do not seem to count. To advance one’s career requires employing the attributes of leadership in everything the systems engineer does.

The second topic will be perspectives on the OSD DDR&E (the Office of the Secretary of Defense Director of Defense Research and Engineering) future planning initiative in which the DDRE seeks greater efficiencies through enterprise engineering, for which reusing platforms may harbor improved solutions.

**BIOGRAPHY:** John Thomas is a Senior Vice President and Lead Systems Engineer at Booz Allen . He leads teams that plan and execute multi-million dollar complex system programs. His clients include the U.S. government and industries worldwide. John’s current focus is supporting complex systems development activities for the U.S. Federal Government. With John’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 systems engineering methodologies for the purpose of enhancing the systems engineering profession and its practitioners.



John’s assignments span leadership roles encompassing both program 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 versus technical baselines of programs.

John 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. John is an INCOSE member (since 1998) and currently is serving as President-Elect. John has also served as Program Director and President of the Maryland Chesapeake Chapter.

**To read more go to:**

<http://www.boozallen.com/about/40026730/thomas>

**R.S.V.P.:** R.S.V.P. by registering online at <http://www.incose-la.org> or by sending an email to [registration@incose-la.org](mailto:registration@incose-la.org) (please include “INCOSE-LA February Speaker Meeting” in the subject line). Please provide your full name, title, company, phone number, and email address. Please indicate the site at which you will be attending. State whether you are a US Citizen, resident alien, or foreign national, and members must include your INCOSE member number. US Citizens and resident aliens must R.S.V.P. by Friday, February 4, 2011. Foreign Nationals wishing to attend must R.S.V.P. by Tuesday, February 1, 2011. Please bring your picture identification (driver’s license, passport or green card) to the meeting.

If you are uncertain whether or not you’ll be able to attend, DO make a reservation and indicate that you’re uncertain. **You MUST R.S.V.P. to attend at the Aerospace and Boeing sites. NO EXCEPTIONS.**

**DIRECTIONS TO AEROSPACE:** From the 405 Freeway, head west on El Segundo Boulevard. Turn right on Aviation Boulevard (north). Building D8 is the third building on the right, just past the bakery. There is an Aerospace sign on the fence. Turn in and park in any parking spot other than "Reserved or Carpool" and badge in through the lobby in the center front of the building, near the flagpole. Our meeting room, room 1010, is adjacent to the lobby.

**Site contact:** Susan Ruth, phone: 310.336.6765, email: [susan.c.ruth@aero.org](mailto:susan.c.ruth@aero.org).

**REMOTE SITES:**

**Boeing, Huntington Beach:** R.S.V.P. by February 4. Attendance at this site is limited to U. S. citizens and resident aliens; we regret that foreign nationals will not be able to attend at this site. Please bring your picture identification (driver’s license, passport, or green card) to the meeting. **Site contact:** Beth O’Donnell, phone: 714.837.6924, email [elizabeth.l.o'donnell@boeing.com](mailto:elizabeth.l.o'donnell@boeing.com).

**Antelope Valley/Palmdale:** Open to all. **Site contact:** Mike Wallace, phone: 661.540.0290, email: [m.wallace@ngc.com](mailto:m.wallace@ngc.com).

**For the record:**

Please note that the Los Angeles Chapter was awarded the INCOSE *President’s Award for Most Outstanding Chapter* in 2009, not in 2008 as previously noted on the cover page of previous newsletter editions. This oversight has been corrected. Many apologies from the editor.

**CSEAR** 2011  
CONFERENCE ON SYSTEMS  
ENGINEERING RESEARCH  
An International Conference

**Conference Flyer**  
Ninth Annual Conference on  
Systems Engineering Research

April 15-16, 2011

Crowne Plaza Redondo Beach & Marina Hotel  
Redondo Beach, California

<http://www.incose-la.org/cser2011/>

## Conference Topics

We will enjoy research papers and thought provoking discussions addressing the conception, design and architecting, development, modeling and simulating, production, operation and support of systems; definition of metrics of performance, and improvement methods; assessment and mitigation of risks; definition of critical success factors, and best practices.

## Venue

Our headquarters hotel for CSER 2011 is at the beautiful Crowne Plaza Redondo Beach & Marina Hotel. Overlooking the Pacific Ocean and King Harbor Marina, this convenient beach hotel is just 7 miles from Los Angeles Airport (LAX) and is close to many favorite Southern California attractions.

## Agenda

The CSER 2011 agenda will follow a format similar to other CSERs in the past by having plenary sessions, concurrent tracks, and a banquet with keynote speaker. The agenda is under development and will be made available shortly.

## Sponsorship

There are opportunities to sponsor demonstrating your company's commitment to the continued growth of this exciting engineering discipline. If your organization is interested in sponsorship, please contact our CSER Corporate Liaison, Mr. Jose Garcia at [jose.s.garcia-jr@boeing.com](mailto:jose.s.garcia-jr@boeing.com).

## Registration

The registration web site is under development and will be up and running shortly. In the mean time, if you want early registration or information please email [registration@incose-la.org](mailto:registration@incose-la.org) for details.

## Volunteer Opportunities

Be part of History! Join our exciting team as we plan, organize, and execute this event. Please contact Harvey Soldan at [harvey.soldan@jpl.nasa.gov](mailto:harvey.soldan@jpl.nasa.gov) for volunteering opportunities.

INCOSE-LA in partnership with the University of Southern California and Stevens Institute of Technology presents the 9<sup>th</sup> annual Conference on Systems Engineering Research

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

**Conference Honorary Chair:**

George Friedman, USC

**Conference General Co-Chairs:**

Azad Madni (USC)

Elliot Axelband (RAND)

**Technical Program Co-Chairs:**

Roger Ghanem (USC)

Marilee Wheaton (The Aerospace Corporation)

**Conference Management Chair:**

Terry Rector (COM DEV – USA)

[terry.rector@comdev-usa.com](mailto:terry.rector@comdev-usa.com)





## **FEBRUARY TWO-DAY TUTORIAL**

### **Systems Modeling Language (SysML) and Object-Oriented Systems Engineering Method (OOSEM)**

**Presenter:** Sanford Friedenthal, Lockheed Martin Co.

#### **PARTICULARS**

**When:** Friday-Saturday, February 4-5, 2011

8:30 am to 5:30 pm each day

**Where:** The Aerospace Corporation

200 North Aviation Blvd., Building D8, room 1010, El Segundo

**Cost:** Members-\$240; Non-members-\$290;

Students/Retired/Unemployed: \$190

*(proof of designated status will be required)*

Cost includes presentation materials, continental breakfast, lunch,  
and afternoon snacks

**R.S.V.P. deadline:** January 31, 2011

**OVERVIEW:** This two-day tutorial is targeted toward practicing systems engineers and others who are interested in applying the model-based approach to systems engineering. Participants will learn about the growing area of Model Based System Engineering (MBSE), Object-Oriented Systems Engineering Method (OOSEM), and Object Management Group (OMG) Systems Modeling Language (OMG SysML™)

Students may want to order the following book, as a reference - *A Practical Guide to SysML*, by Sanford Friedenthal, Alan Moore, and Rick Steiner. The book also includes a chapter on OOSEM.

#### **ABSTRACT:**

##### **Day 1—Friday, February 4, 2011**

"An Introduction to the OMG Systems Modeling Language (OMG SysML™)"

**Tutorial Objectives:** This introductory course should provide the student with an understanding of:

- Benefits of model-based approaches for systems engineering
- SysML diagrams and language concepts
- The role of SysML in a model-based SE process

**Tutorial Description:** The OMG SysML™ is a general purpose graphical modeling language for specifying, analyzing, designing, and verifying complex systems that may include hardware, software, information, personnel, procedures, and facilities. In particular, it provides graphical representations with a semantic foundation for modeling system requirements, behavior, structure, and constraints that support a broad range of engineering analyses. SysML represents a subset of Unified Modeling Language (UML) 2.0, with extensions needed to satisfy the requirements of the UML for Systems Engineering Request for Proposal. For more information on SysML, including articles, tool vendor and related links, and the specification, go to <http://www.omgSysml.org>.

This tutorial provides an introduction to how SysML can address the needs of the systems engineer. It includes background and motivation, and an overview of the SysML diagram types and language concepts. A class exercise is included to help solidify the student's understanding of the language.

**Prerequisites:** Background in systems engineering.

Exposure to UML is helpful, but not required.

Students are encouraged to bring their laptops if they wish. Students should download the 'Model-Based Systems Engineering with the SysML' Tutorial from the APL Technology Transfer website: <http://www.jhuapl.edu/ott/Technologies/Copyright/SysML.asp>.

Please download this prior to the SysML Tutorial and bring a soft copy on your computer if you wish. Each participant will need to sign a typical license for using this material. The web site also has a full course that is available for download.

##### **Day 2—Saturday, February 5, 2011:**

"An Introduction to the Object-Oriented Systems Engineering Method (OOSEM)"

**Tutorial Objectives:** This introductory course would provide the student with an overview of OOSEM activities, modeling artifacts, and concepts.

**Tutorial Description:** This tutorial will introduce an OOSEM, which integrates a top-down systems approach with object-oriented concepts and modeling techniques. This method uses SysML as the modeling language. OOSEM brings to systems engineering a technique for leveraging some of the expressiveness of SysML and some of the advantages of OO to help architect more flexible, extensible, and upgradeable systems with new, evolving technology. Another major goal of OOSEM is ease of integration with object-oriented methods for software engineering, and integration with hardware engineering and other disciplines. The tutorial will provide an overview of the model-based method for needs analysis, requirements analysis, logical design, physical design, and supporting activities. OOSEM is described in more detail in Chapter 16 of "A Practical Guide to SysML".

**Prerequisites:** Background in systems engineering. Introductory Course in SysML or previous experience with SysML.

**BIOGRAPHY:** **Sanford (Sandy) Friedenthal** is a Lockheed Martin Fellow and currently leads an effort to enable Model Based Systems Development (MBSD) and other advanced practices across the company. His experience includes the application of systems engineering throughout the system life-cycle from conceptual design, through development and production on a broad range of systems in aerospace and defense. He has been a systems engineering department manager, and a lead developer of advanced systems engineering processes and methods including the Lockheed Martin Integrated Enterprise Process and the Object-Oriented Systems Engineering Method (OOSEM).



Sandy was a leader of the Industry Standards effort through the OMG and INCOSE to develop the Systems Modeling Language (OMG SysML) that was adopted by the OMG in 2006. He is co-author of *A Practical Guide to SysML*.

**R.S.V.P.:** *(Note that tutorial is subject to cancellation if a minimum attendance is not met.)* R.S.V.P. by registering

*(Continued on page 8)*

**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](http://www.incose.org)) to update your information.

Name	Title	Company
Lori Chow	Sr. Clinical Systems Engineer	St. Jude Medical
Dan Galorath	CEO	Galorath Incorporated
John Gilliam	Chief MILSATCOM Systems Engineer	United States Air Force
Jerry McBrearty	Systems Engineer	Northrop Grumman
Cindy Noble	Systems Engineer	Northrop Grumman
Glenn Reeves	Manager	Jet Propulsion Laboratory

**February Tutorial** (Continued from page 7)

online at <http://www.incose-la.org> or by sending an email to [registration@incose-la.org](mailto:registration@incose-la.org) (please include "Feb 2011 Tutorial, SysML and OOSEM" in subject line); advance payment by check will be requested if online payment with PayPal is not made. **Registration deadline is Monday, January 31, 2011.**

If you have any questions, please contact Shirley Tseng at 714.832.5373, [shirleytseng@earthlink.net](mailto:shirleytseng@earthlink.net).

**DIRECTIONS:** From the 405 Freeway, head west on El Segundo Boulevard. Turn right on Aviation Boulevard (north). Building D8 is the third building on the right, just past the bakery. There is an Aerospace sign on the fence. Turn in and park in any parking spot other than "Reserved or Carpool" and badge in through the lobby in the center front of the building, near the flagpole. Our meeting room, room 1010, is adjacent to the lobby.

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## Let us know!

Did you ever want to lead or organize an effort for the benefit of a community or school project or competition such as what you might find at a science fair, rocket competition or robotics competition? Did you ever want to get involved in Engineering Week or some other organized event, but you did not know where to start or have any support? Or maybe you want to steer a few college-bound sons or daughters toward engineering and need a few SEs to speak at your local school's college night. Then let us know!

You have the potential to draw from the experiences, wisdom and volunteerism of a SE team of 350+ members. The Chapter newsletter is a great way to advertise your need or call for volunteers. Presenting your need to your Chapter's Board of Directors is also a great way to jumpstart the collective! Contact our volunteer coordinator, Nehal Patel when you are ready! [Nehal.patel@incose.org](mailto:Nehal.patel@incose.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>

## Nagenthiram Appointed as INCOSE Ways and Means Co-Chair

The INCOSE-LA Chapter is proud to announce the appointment of Padman Nagenthiram, INCOSE-LA member, as the co-chair of the INCOSE Ways and Means Committee, effective October 25, 2010.

Padman, Chief Systems Engineer/Technical Fellow for Boeing, has been an active member since 1997, contributing mainly to the various technical working groups and panels at the national. He recently presented a paper entitled "Development of NCO Systems of Systems Using the Boeing System of Systems Engineering (SoSE) Process" to the Requirement Working Group which was well-received.

He had originally sought a position in INCOSE Technical Operations, but the INCOSE board requested his involvement in a more overarching role. As the co-chair of the Ways and Means Committee, he will lead the team to set the Policies and Procedures for INCOSE operations. Previously, Padman has had experience at Boeing as the process manual coordinator for the first electronic Anaheim Systems Engineering (SE) Policies and Procedures which ultimately evolved into the current Boeing SE Policies and Procedures. He believes this experience will benefit him as Co-Chairman of the INCOSE Ways and Means Committee.

Congratulations to Padman on his two-year appointment!

## NOT A MEMBER? WHY NOT JOIN INCOSE NOW?

To join INCOSE, go to:

[https://www.incose.org/cc\\_orders/joinINCOSE.cfm](https://www.incose.org/cc_orders/joinINCOSE.cfm)

Reduced membership rates are offered to students.

By designating your affiliation with the Los Angeles Chapter, active members can attend speaker meetings for free and are offered reduced rates when attending tutorials and other events. Active INCOSE-LA members will receive a monthly INCOSE-LA Newsletter in the mail, in addition to the INCOSE publications by email, at no extra cost.

## INCOSE-LA Chapter NEWSLETTER

Vol. 9: Issue No. 1 2011 January



**INCOSE-LA Member Holiday Party**  
**December 11, 2010**  
*Hosted by Roz Lewis*



**Great times with caroling, tree  
trimming, and the gift exchange**  
**Good food—Terrific company!**



**INCOSE-LA Chapter    NEWSLETTER**

Vol. 9: Issue No. 1    2011 January

# INCOSE-LA Chapter NEWSLETTER

Vol. 9: Issue No. 1 2011 January

## 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

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

#### Elected At-Large Directors

<b>Membership:</b>	Paul Cudney	paul.cudney@incose.org	or	membership@incose-la.org
<b>Programs:</b>	Michael Kim	michael.kim@jhupl.edu	or	programs@incose-la.org
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#### Appointed Positions

<b>Newsletter Co-editors:</b>	Edie Ung, Jorg Largent	ma1teez@yahoo.com	or	Palmdalejorg@aol.com
<b>Newsletter Production Manager:</b>	Lee-Ann Seeling	Lee-Ann.S.Seeling@raytheon.com		
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<b>Lead Site Coordinator:</b>	Anna Warner	anna.warner@boeing.com		
<b>Webcast Event Manager:</b>	Chris Delp	cldelp@jpl.nasa.gov		
<b>Website Technical Manager:</b>	Michael Kim	michael.kim@jhupl.edu		
<b>Professional Networking Chair:</b>	Nehal Patel	nehal_p1_patel@raytheon.com		
<b>CSER 2011 Management Chair:</b>	Terry Rector	Terry.Rector@comdev-usa.com		
<b>Representative to San Fernando Valley Engineers' Council:</b>	Stephen Guine	Stephen.Guine@ngc.com		

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