Vol. 12, Issue 5: October – November, 2014

NEWSLETTER

2002, 2004-13 2003

2008, 2012 President's Award for Most Outstanding Chapter

Coming soon! 2015 Chapter Elections

The success of the Los Angeles Chapter is driven by two things: our officers and our members. INCOSE has acknowledged the Chapter with the Gold Circle Award every year since 2003 and with the President's Award for Most Outstanding Chapter in 2008 and 2012 (chapters are not considered for repetition more frequently). However, more important than awards are the services and value provided to and available to the Chapter members.

The Board of Directors has a long history of service, hard work, dedication, and leadership. Each of the candidates up for election has the industry, dedication, and vision to continue this heritage, but first, you, the membership of the Los Angeles Chapter, get to decide. Please review the candidates biographies in the next edition of the *Newsletter* and then go on line to cast your vote.

The Board of Directors of the Los Angeles Chapter consists of ten elected officers: President, Vice President, Immediate Past President, Secretary, Treasurer, and five At-large Directors who are the chairmen of the five standing committees. The President, Vice President, Immediate Past President, Secretary and Treasurer serve one year terms, and the five At-large Directors serve staggered two-years terms. The offices upon which you will be voting are President, Vice President, Secretary, Treasurer, Director of Ways and Means, and Director of Systems Engineering Education.

(See "Election" on page 5)

VOTE THIS DECEMBER.
LET YOUR VOICE BE HEARD.

2015 Mini-Conference March 14, 2015

Theme: One Discipline/Global Value: Fundamentals, Applications, and Innovation

This one-day conference will explore systems engineering as a global, i.e. universal discipline. This is an opportunity for the systems engineering professionals in the Los Angeles area to share applications, experiences, concepts, and issues that will increase their expertise across the broad spectrum of academic and industry applications in our community.

Background: Systems Engineering is a vital discipline for the successful delivery of large and complex systems. In response to a fast paced and evolving world, systems development has become closely integrated with business objectives like value creation, constrained costs, manageable risks, and high reliability. This makes a disciplined approach to systems engineering even more critical, with a higher premium on program execution and the need to focus on systems engineering fundamentals, applications and adaptations, along with innovative advances in systems engineering concepts, concepts and fundamentals which are adapted for many different applications to solve worldwide concerns and create value.

(See "Mini-Conference" on page 8)

IMPORTANT CONFERENCE DATES:

ABSTRACT SUBMITTAL	November 21, 2014
ACCEPTANCE NOTIFICATION	December 8, 2014
FINAL PRESENTATION DUE	February 23, 2015

Inside This Edition

August Speaker Meeting "Kaz" Takeda, Disney, and Systems Engineering

The August speaker meeting featured Kazuo "Kaz" Takeda, Manager of Industrial Engineering at Disneyland® Resorts. Kaz presented an overview of industrial and systems engineering applications for the Walt Disney Parks and Resorts, providing insights into applied industrial and systems engineering process from the perspective of the entertainment industry.

This speaker meeting, based at Boeing in Huntington Beach, was a joint meeting with the Los Angeles Orange County (LA/OC) Chapter of the Institute of Industrial Engineers (IIE). José Avila, Chapter President, gave a brief presentation on the IIE and the broad spectrum of the organization's objectives. Beth O'Donnell noted that there are a lot of synergies between the IIE and INCOSE.

Kaz, after being introduced by Past-President Beth O'Donnell, effortlessly eased into his entertaining and informative presentation. Kaz's background serves him well. Since 1998, Kaz has been responsible for both strategic and tactical operational functions focused on creating and maintaining a world-class theme park operation. His experience ranges from working with maintenance, security, textiles and horticulture, to serving on various support units which orchestrate media events and drive theme park performance.

Kaz began his career as a quality control engineer within the home satellite television industry. He then joined Telescreen LTD as the US logistics manager for their international animation studio production group. In 1988, Kaz joined United Parcel Service in their industrial engineer division, supporting multiple initiatives from the creation of Quality Incentive Bonus system to the opening of new buildings and air gateways. Since joining the Disneyland® Resort, his work has continued on all aspects of the resort business and operations, from being a core member of the Disney California Adventure grand opening press event team to implementation of process standards and creation of an Electrician and Machinist Union craft apprenticeship/trainee program within the resort's maintenance division. As an IIE Fellow, Kaz is also involved in many IIE activities and academia.

Kaz's presentation provide the audience with an insight into the Industrial Engineering Department mission and structure, along with a discussion related to how the industrial engineering team integrates itself horizontally with various lines of business to enhance the guest experience.

(See "August Speaker Meeting" on page 8)

September Speaker Meeting "Bo" Oppenhiem speaking on Lean Healthcare

Dr. Bohdan "Bo" W. Oppenheim was our speaker at the September speaker meeting. "Bo" is a Professor of Systems Engineering at Loyola Marymount University (LMU) in Los Angeles, and founder and co-chair of INCOSE Lean Systems Engineering Working Group. Dr. Oppenheim has been a long-time champion of Lean as an essential part of the systems engineering process. A world-renowned, frequently-published expert, "Bo" is a popular speaker on the subject of Lean and an active contributor to the INCOSE-LA Chapter activities and *Newsletter*.

Bo opened by discussing the current state of healthcare. He presented some statistics on American healthcare, followed by a discussion of healthcare as a system and systems thinking, and Lean as a critical element of healthcare. Bo also discussed the partnership between LMU and Kaiser Permanente and improvements in the Kaiser Permanente (K.P.) medical laboratories.

Bo's summary noted that the United States spend more than any other country on medical research and development, medical doctor education, facilities, and medical equipment. Hover, healthcare costs in the United States have been rising faster than inflation for many years. Recently, (until "Obamacare"), the U.S. was spending more than 3 trillion USD on healthcare annually, vastly more per person than other developed countries, which is clearly unsustainable. While medical research, education, knowledge and facilities in the U.S. tend to be second to none, the average healthcare delivery is poor: the United States is ranked eleventh in comparison with Australia, Canada, France, Germany, the Netherlands, New Zealand, Norway, Sweden, Switzerland, and the United Kingdom. The United States are similarly ranked in terms of preventable deaths.

Healthcare is a gigantic system that is terribly fragmented in the United States, and fraught with a need for Lean – a critical element. Noted Bo, "Lean does not tell MDs how to treat patients – it frees the MDs to do it more and better." The objective is to increase healthcare quality while reducing costs, by eliminating non-value added activities. Lean frees up valuable time for medical professionals to spend more time with patients. The six Lean principles apply to healthcare by tailoring the concepts to the attributes of the healthcare system. The Value Stream Map is applicable by noting that in manufacturing material flows, in design and services information flows, and in healthcare, patients flow – a point Bo emphasized.

(See "September Speaker Meeting" on page 4)

August networking event

Two visitors – one from the San Diego Chapter and one from the Mid-Continent Chapter – plus two guests, joined INCOSE-LA members for the August networking event. Held at Michael's Sports Bar and Grill in Westminster, the group enjoyed an evening of hors d'oeuvres and networking, including an interesting discussion of "agile." This event was held in Orange County as a part of the Chapter's program to reach out to and to provide networking events throughout the membership area.

October 14, 2014 Speaker Meeting
Legacy Platform Modification Considerations

On October 15, 2014, Jim Marshall of the Northrop Grumman Corporation will be speaking to the Chapter.

Abstract: In some respects, an addition of a new or modified subsystem to a legacy platform can be more challenging that designing a new platform with the same subsystem. A legacy platform has a defined qualification baseline. This baseline covers platform structure, platform subsystems (ECS, Electrical, hydraulic, etc.), and environmental definitions (thermal, vibe, etc.). The basic platform body and subsystem integration design would likely have been based on defined mission profiles combined with weapon system design in order that the basic platform frame was optimized to meet all the imposed requirements.

The new or modified subsystem will need to fit into the constraints of the platform. Subsystem specifications will be driven by platform constraints while optimizing performance of the subsystem within these constraints. Changes of the legacy platform pose a compromise to the platform's baseline qualification. When the platform's baseline qualification is compromised, the re-qualification of the platform with respect to the change becomes necessary.

The technical thought put into program planning typically focuses on the new or modified system components without adequate planning for completion of the installation design. More visibility into the installation design process and flow would provide program and technical managers with the needed insight to plan less risky program timelines and reduce risk associated with platform installation requirements. The intent of the discussion is to address the platform efforts and flow of design information to more efficiently support platform modifications.

Biography: Jim, a Marine Corp veteran, got his academic credentials at the University of Illinois (Bachelor of Science in Engineering Physics), a Master of Business Administration from the University of LaVerne, a Master of Science in Engineering from Fresno State University, and is working on a Master of Science degree in Applied Mathematics from the University of Washington. Jim's work experience includes duty as an EA-6B Electronic Warfare Officer while in the Marine Corp, eight years in Flight Test with Grumman and Northrop Grumman, three years in manufacturing and sixteen years in engineering, all with Northrop Grumman.

Watch for a Reflector Notice in your email or check the INCOSE-LA website for additional details

(September Speaker Meeting, continued from page 2)

He then discussed Ohno's eight types of waste as found in the healthcare systems and examples of value-added and non-value-added activities.

Dr. Oppenheim's presentation then built on the Six Lean Principles in the healthcare context followed by examples of waste in the healthcare industry. "Bo" defined the attributes of value-added activities, "need" or "enabling" activity (also known as non-value-added required tasks) and non-value-added, or wasteful, activities.

Bo's presentation went well beyond theory and included several examples of the application of Lean in healthcare and the consequential benefits. Before the discussion of Kaiser Permanente, is a slide that notes that Lean has a big role in healthcare. Lean is very different from traditional "cost cutting" approaches. Lean hospitals do not improve quality by asking people to be more careful nor do they improve productivity by asking people to run around faster. Rather, Lean revones waste to give more time and resources to healthcare professionals and patients.

The most important system: the patient
A USC cancer patient

The discussion of Kaiser Permanente included a history of the decision by LMU and KP to work together. The presentation included Lean analyses of, and resulting benefits for, the Specimen Processing Department, the Genetics Lab, the Automated Chemistry Lab, the Microbiology Lab, and in sample collecting in medical centers.

In a presentation to the Biomedical Healthcare Working Group, echoed in the presentation to the speaker meeting, Bo explained the value of Lean to the medical enterprise. "Lean can increase healthcare value delivered by improving healthcare quality and decreasing healthcare cost. It is one piece of a puzzle to solve the U. S. healthcare crisis." Continued Dr. Oppenheim, "Lean is a knowledge discipline," and "Lean is a methods for operations improvement – it can be applied to any process, including those of healthcare."

In conclusion, healthcare in the United States has great elements, such as research and development, equipment, facilities, medical schools, and dedicated professionals, and yet it ranks poorly in delivery with costs that are huge and unsustainable. In order to improve it, healthcare must be seen as a highly complex system in need of systems thinking. Lean must be a critical part of the healthcare systems.

Bo's well-polished and comprehensive presentation on the value of systems engineering and Lean in "non-traditional" (aerospace) applications was well received and appreciated by all who were able to attend.

Interested in learning more or in being a part of the action?

Come to the next strategic planning meeting on Saturday, October 4, 2014, starting at 9:00 a.m. There is no cost and a buffet luncheon will be served. The meeting will be held at the Northrop Grumman Space Campus in Redondo Beach.

Watch for a Reflector Notice in your email for details.

(Elections, continued from page 1)

For those who are not familiar with the process of our Chapter elections, an explanation, An election committee reviews a preliminary list of names, which is constructed from the recommendations made by current and past officers, directors, chairpersons, and managers. Recommendations are based upon many factors that range from participation (speaker meetings, tutorials) to volunteering, and who is willing to volunteer to be on the Board. As Paul Cudney so eloquently explained, "Serving on the Board is an excellent, low-risk method of gaining direct job-related experience." The committee then decides upon a slate of candidates.

Interested in helping lead the Chapter or know someone who would make a good leader for the Chapter? Contact Past President Eric Belle at eric.belle@incose.org and let him know.

HELP WANTED!
JOIN THE INCOSE-LA NEWSLETTER TEAM

Would you like an opportunity to hone your writing and proof reading skills while learning about the discipline and about the chapter?

Can you spare a few hours every other month or so?

If so, you can help with the Chapter's award-winning *Newsletter*.

Contact Jorg Largent at jorg.largent@incose.org.

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 at *susan.c.ruth@aero.org*

In the temple of science are many mansions, and various indeed are they that dwell therein and the motives that have led them thither.

Albert Einstein, 1918

The practice of Parliament must be judged by quality, not quantity. You cannot judge the passing of laws by Parliament as you would judge the output of an efficient Chicago bacon factory.

Winston Churchill

You are invited to the INCOSE-LA Chapter Holiday Party

Coming in Early December!

Details in the next edition of the *Newsletter* and in a Reflector Notice.

Great people ✵ Fine food ✵ Lots of Fun
White Elephant Gift Exchange

An INCOSE-LA Tradition!

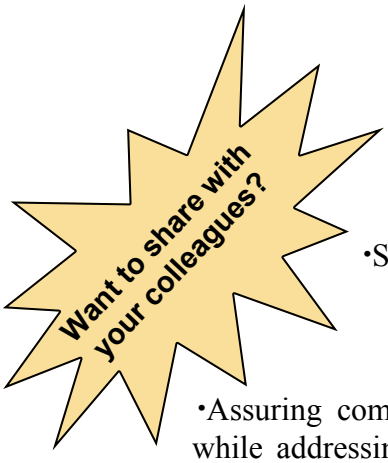
INCOSE-LA 2015 MINI-CONFERENCE

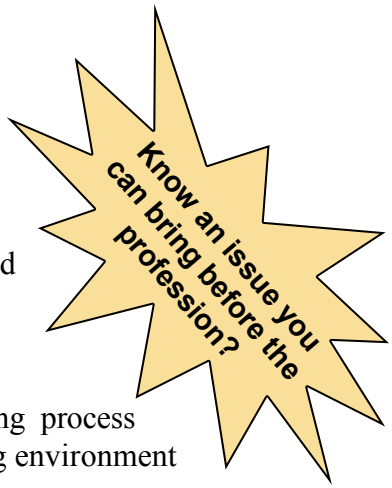
CALL FOR PAPERS!

Make a Presentation on:

Exploring systems engineering as a global discipline

Some topics you might address:





•Systems engineering is one discipline with many applications: how it can be applied globally?

•Adaptation of fundamentals and principles in new industries

•Situations in which systems engineering has been used

•How can systems engineering concepts can be applied in a more innovative manner

•Assuring completeness and discipline in the systems engineering process while addressing the need to inject innovation in a rapidly changing environment

•Use of new or changing collaboration technologies, including web-based platforms, to manage globally distributed development resources

•Early concept engineering and the need for speed, including the rapid conceptualization, design and manufacture of highly resilient, adaptable systems

•Case studies of successful (or not so successful, e.g. object lessons) collaborative and/or cross-industry projects are especially welcome, as are applications addressing a common, integrated set of best practices that enhance overall program success.

IMPORTANT DATES:

Abstract submittal due:	November 21, 2014
Acceptance notification to presenters by:	December 8, 2014
Final presentation due from presenters:	February 23, 2015
Conference date:	March 14, 2015

See article on page one for more details.

Please send a one-page or less abstract to the Technical Chair, Helayna Roberts, (email: mini-conf@incose-la.org). Questions? address questions to: mini-conf@incose-la.org.

PROJECT PERFORMANCE INTERNATIONAL

Systems Engineering

for Technology-Based Projects and Product Developments

Upcoming 5-Day Courses in Las Vegas, NV

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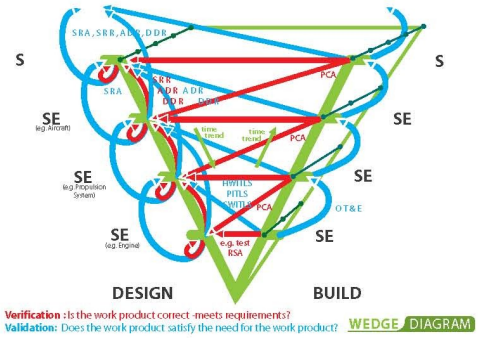
- February 9 - 13, 2015
- April 27 - May 1, 2015
- June 1 - 5, 2015
- September 28 - October 2, 2015
- November 30 - December 4, 2015



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December 1 - 4, 2014	Las Vegas, NV	April 27 - 30, 2015	Albuquerque, NM
February 9 - 12, 2015	San Diego, CA	May 11 - 14, 2015	Denver, CO
February 23 - 26, 2015	Las Vegas, NV	May 18 - 21, 2015	Pittsburgh, PA

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(August Speaker Meeting, continued from page 2)

From a systems engineering perspective, there were several lessons learned. The Disneyland "mission statement" is, for all practical purposes, nearly sixty years old. Kaz presented a movie clip of Walt Disney in which he, Walt Disney, described the genesis of Disneyland. Starting with his wife and daughters, Walt had a vision of a place for parents and children, a place that was a fair, an amusement park, a place of hopes and dreams, facts and fancy all in one, with fond memories of the past and the challenge of the future. Attributes of Disneyland were to be to give the public everything you can give them, keep it friendly, and make it a fun place. Kaz noted that while there may be rides in other amusement parks that are higher or faster, the rides at Disneyland were designed with the overarching attributes in mind and with a specific metric: smiles.

Kaz discussed some of the challenges that his department faced. One was a temporary structure the length of Main Street, the challenge to develop an installation that meet the temporary need without compromising the heritage character of the street. Some of the challenges sounded mundane, such the design of trash receptacles. One decision involved the design of a parking facility and the decision to set the parking spaces at a 45 degrees angle rather than 90 degrees the 45 degree angled parking was more convenient for the guests, resulting in more smiles. As an aside, Kaz noted that a design of Disneyland help NASA, recalling that a key to the space shuttle engine single fault tolerance gimballing was found on the Dumbo ride at Disneyland.

Of note was the definition of roles: there are no "employees;" everyone is a "cast member" working to fulfill the mission statement. Kaz set a good example with his affable, charming and, occasionally, self-deprecating presentation style.

The organizational relationships were also noteworthy. The industrial engineers regard the other departments, particularly the "imagineers," as "customers," the people who come up with the ways to make people smile and it is the job of the industrial engineers to use the tools of their profession to make it happen.

From the opening of Disneyland in 1955 to the multiple facilities of today, the Disneyland® Resorts are an example of applied industrial/systems engineering, based on a clear and unwavering vision, producing the desired product: smiles.

Kaz's smile-producing and informative was well received and appreciated by all who were able to attend.

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

(Mini-Conference, continued from page 1)

An invitation: you are invited you to submit a one page abstract for a presentation addressing our theme. Suggested topics include:

- Exploration (and a reminder) that systems engineering is one discipline with many applications around the world
- Addressing the adaptation and use of systems engineering fundamentals and principles in new industries
- Investigation of situations where systems engineering has been used around us; including applications in industries such as medicine or high speed rail
- Innovative methods exploring how new or proven systems engineering concepts can be applied in a more modern or global manner
- Assuring completeness and discipline in the systems engineering process while addressing the need to inject advances in a rapidly evolving environment
- Use of new or changing collaboration technologies, including web-based platforms, to manage globally distributed development resources
- Early concept engineering and the need for speed, including the rapid conceptualization, design and manufacture of highly resilient, adaptable and affordable systems

Case studies on collaborative and/or cross-industry projects (successful or not-so-successful) are especially welcome, as are applications addressing a common, integrated set of best practices that enhance overall program success.

Presentations will be limited to twenty to twenty-five minutes with five to ten minutes of questions and answers, for a total time of 30 minutes. Please send a one-page abstract (summary of your presentation) to the Technical Chair, Helayna Roberts (email: mini-conf@incose-la.org) by November 21, 2014. You will be notified of acceptance by December 8, 2014. Your final presentation is due by February 23, 2015. When you are notified of acceptance, the presentation format and template will be provided. Full papers are not required.

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: mini-conf@incose-la.org.

Panel: Technical Director Helayna Roberts is also assembling a committee to begin outreach for potential panelists. Please send Helayna an email if you would like to participate in the technical committee. This would include helping request and review papers as well as selecting panelists and guest speakers.

The INCOSE-LA Mini-Conference team is working to pull together another conference with the same quality and enthusiasm as in the past. Your participation is welcome and encouraged.

The Board of Directors wishes to welcome the following new members to the Los Angeles Chapter of INCOSE. And as we welcome the new members, we are humbled by the challenge the large number of new members — almost three pages — represent. Thank you, and your Chapter is here to serve you!

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 or Organization
Anas Almajali	Grad Student	Information Sciences Institute/USC
Khaled Asultan		PPU
Orkun Baglan	student	CPP Pomona
Gail Baura	Professor, Medical Devices	Keck Graduate Institute of Applied Life Sciences
James Bean	student	CPP Pomona
Joshua Beck	Regional Manager	Slemens
Marjory Bernard	Terminal Engineering Lead	Leidos
Jim Booher	Engineering Fellow	Raytheon Systems Company
Gary Bosworth	Instructor	UCLA Extension Program
Emil Butnareanu		Edwards
J Rigoberto Canas	student	CPP Pomona
John Carrillo	General Sales Executive	BigLever Software
Jeremiah Crane	Boos Allen Hamilton	Engineer
Robert Crombie	Systems Engineer, Principal	The SI Organization, Inc.
Nick Crossley		IBM
Michael Crostic	student	CPP Pomona
John Dong		Boeing
John Drury		Stantec Consulting
Tracy Fiedler	Sr. Principal Systems Engineer	Raytheon
Apolinar Gallardo	Systems Engineer	Northrop Grumman Systems Corporation
Ali Ghahramani	Researcher/Ph D Student	University of Southern CA
Elizabeth Green	Sr. Sector Manager, Global Supply Chain Planning & Integration	Northrop Grumman
Timothy Haile		Michael Baker Jr., Inc
Kylan Haynes	student	CPP Pomona
Raymond Hill	Naval Aviator / Officer	United States Navy
Carson Holmes	EVP, Service Delivery	Software Development Experts
Brian Holt	Senior Systems Engineer	Amgen
Tomoyuki Imai	student	CPP Pomona
Brandon Johnson	student	CPP Pomona
Richard Justice	Instructor, Defense SATCOM	United States Air Force
Arbi Karapetian		JPL
Kathy Kha	consultant	Galorath Inc

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Name	Title	Company or Organization
Kirk Kittell	Systems Engineer	Esterline Mason
Tiffany Lambarena	student	CPP Pomona
Nicholas Linse	Operations Research Analyst	US Army
Panteha Mahboubzadeh		
Ralph Marshall	Aircraft Integration Engineer	Northrop Grumman
Christopher McNutt	Engineer	ATK
Maria Medina-Alva	student	CPP Pomona
Tamika Medley	CEO/Chief Strategy Officer	Strategic Alliance Inc
Wesley Miller	student	CPP Pomona
Shokoufeh Mirzaei	Assistant Professor	California State Polytechnic University,pomona
Emilio Moino	student	CPP Pomona
David Moller	Sr Systems Engineer	Woodward Inc
Laura Leigh Monterey	Sr. Technical Writer	Lockheed Martin
Luis Morales	student	CPP Pomona
Richard Moseley	System Engineer Staff	Lockheed Martin Aeronautics
Amanda Muller	Systems Engineer	Northrop Grumman
Robert Noel	Engineer	The Boeing Company
Devin Norrell	Aerospace Systems Engineer	USAF/AFRL
Isaac Oh	Junior Engineer	Booz Allen Hamilton
Atilla Ozlean	Safety Engineer	Davis Wire Corpoation
Michael Palski	VP & CTO	Palski & Associates, Inc.
Donald Parry	Systems Engineer Senior Staff	Lockheed Martin
Courtney Paulson	University of Southern California	Graduate Assistant/ PhD Student
Michael Petersen	Aerospace Systems Engineer	US Navy
Thomas Phillips	None	None
Adriana Posadas	student	CPP Pomona
Raja Ramadas	Systems Engineer	Northrop Grumman
Helayna Roberts	Systems engineer 1	Northrop Grumman
Geoffrey Rosenthal	Technical Sales Specialist	IBM
Kevin Ruble	Student	Cal Poly Pomona
Stephen Ryan	Senior Mission Engineer	Northrop Grumman Corporation
Omid Saatsaz	student	CPP Pomona

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Name	Title	Company or Organization
Robert Sansone	Manager	Defense
Aaron Schirmers	Student	CPP Pomona
Neil Siegel	Sector Vice-President & Chief Technology Officer	Northrop Grumman Corporation
Gintaras Snipas	Systems Engineer	Capstone Turbine Corp.
Dane Solomon	student	CPP Pomona
Philipp Stadler	Student	
Darrell Stipp	FCS/FBW Program Manager	Gulfstream Aerospace
Denise Tambe	Engineer	Boeing
Mark Teneyck		
Douglas Terry		Aegis ITS
Troy Tschirhart		
Charles Weissman		Los Angeles Metro
Elizabeth Williams	student	CPP Pomona
Robert Wright	Director, Engineering Operations	Raytheon Space and Airborne Systems
Saar Yaffe	student	CPP Pomona

2014 Board of Directors

Elected Officers			**Elected At-large Directors**		
President	Michael Wallace	m.wallace@ngc.com	Membership	Marsha Weiskoph	Marsha.v.weiskopf@aero.org
Vice-president	Stephen Guine	Stephen.Guine@ngc.com	Programs	Shirley Tseng	shirleytseng@earthlink.net
Immediate Past President	Eric Belle	eric.belle@incose.org	Systems Engineering Education	Yvette Rodriguez	usc.chica@gmail.com
Secretary	Scott Birtalan	scott.birtalan@ngc.com	Ways and Means	Paul Cudney	paul.cudney@incose.org
Treasurer	Harvey Soldan	harvey.soldan@jpl.nasa.gov	Communications	Robert Noel	robert.noel@boeing.com

Appointed Positions					
Newsletter Editor	Jorg Largent	jorg.largent@incose.org	Student Division Ambassador	Scott Birtalan	scott.birtalan@ngc.com
Technical Society Liaison	Shirley Tseng	shirleytseng@earthlink.net	Reflector Manager	Susan Ruth	susan.c.ruth@aero.org
Chapter Recognition Manager	OPEN		Industrial Relations Manager	Jose Garcia Jr.	jose.s.garcia-jr@boeing.com
Professional Networking Chair	Scott Birtalan	scott.birtalan@ngc.com	Website Technical Manager	OPEN	
Representative to the SF Valley Engineer's Council	Stephen Guine	Stephen.Guine@ngc.com	Lead Site Coordinator	OPEN	

INCOSE-LA Chapter NEWSLETTER
Vol. 12, Issue 5: October – November, 2014

Return Address:

PO Box 10969
Westminster, CA 92685-0969

Forwarding Service Requested

The International Council on Systems Engineering (INCOSE) is a not-for-profit membership organization founded to develop and disseminate the interdisciplinary principles and practices that enable the realization of successful systems. INCOSE's mission is to share, promote, and advance the best of systems engineering from across the globe for the benefit of humanity and the planet.
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 systems engineering or related fields.

UPCOMING EVENTS

For more details on Chapter-sponsored events and registration, go to http://www.incose-la.org

Chapter Strategic Planning Meeting
Date: Saturday, October 4, 2014
Time: 9:00 a.m. – 3:00 p.m.
Place: Northrop Grumman S Café
South off of Marine Avenue
just east of North Aviation Boulevard
See Reflector Notice in your email for details

October Speaker Meeting
Subject: Legacy Platform Modification Considerations
Speaker: Jim Marshall, Northrop Grumman Corporation
Date: Wednesday, October 15, 2014
Time: 5:30 p.m. – 9:00 p.m.
Cost: Free for members; $10.00 for non-members
Watch your email for a Reflector notice with details

October Networking Event
Date: Wednesday, October 22, 2014
Time: 5:30 p.m. – 8:00 p.m.
Place: Bex Bar and Grill – Underground Bowling Lounge
706 W. Lancaster Boulevard, Lancaster, California 93534
Watch for Reflector Notice reminder in your email

November Speaker Meeting
Date: November 12, 2014
Time: 5:30 p.m. – 9:00 p.m.

December Holiday Party
See Reflector Notice in your email for details

INCOSE International Workshop
Date: Saturday through Tuesday, January 24 – 27, 2015
Torrance, California
Check the INCOSE website for details

The INCOSE-LA Mini-Conference
Date: March 14, 2015
Time: 7:30 a.m. – 5:00 p.m.
Opportunities available now
See article on page 1 for the latest update

INCOSE International Symposium
The 25th. Anniversary Celebration!
Date: July 13 – 16, 2015
Seattle, Washington
Check the INCOSE website for details