



NEWSLETTER



Los Angeles Chapter of INCOSE
www.incose-la.org

Vol 2: Issue No. 2

Mar, 2004

COMING EVENTS

Lean Aerospace Initiative Plenary Conference

March 22-25, 2004
Marriot Laguna Cliffs
Dana Point, Ca

Walk-in registrations will be welcomed at the conference

2nd Annual Collaboration University of Southern California, Stevens Institute of Technology and LA Chapter of INCOSE

April 15-16, 2004

Conference Theme:

Definition of the frontiers of systems engineering research and applications in new directions to provide the robust development and management of future complex systems.

Location
Los Angeles, California
USC Campus

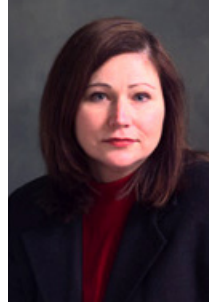
www.usc.edu/dept/engineering/cser

Dinner Meeting May 11, 2004

Strategy for Implementing a Systems Engineering Process:
Embedding Systemic Accountability in an Executable Model of
the PMI PMBoK

Alison Boardman
Elipsis Inc.

Location
The Aerospace Corporation



**Systems Engineering Revitalization
Session at The Lean Aerospace Initiative
Plenary Conference
March 22-25, 2004
Dana Point, California**

Dr. Donna Rhodes Senior Lecturer in the
Engineering Systems Division in the School
of Engineering at MIT,

The Lean Aerospace Initiative (LAI) Consortium is a unique organizational entity that brings together senior level program leadership from government and industry, experienced practitioners, and leading university researchers. The consortium shares a common belief that lean principles and practices provide an effective approach to elimination of waste with the goal of creating value, and are particularly powerful when an enterprise level perspective is taken. One of the major focus areas of LAI in 2004/2005 is Systems Engineering, and the LAI research group at MIT has several initiatives and research projects underway on this topic.

The LAI Consortium will be hosting its annual LAI Plenary Conference and the various associated meetings March 22-25, 2004 at the Marriot Laguna Cliffs in Dana Point, CA. The Plenary Conference will feature plenary sessions each day with keynote speakers and breakout sessions. One of the breakout sessions will be *Revitalizing Systems Engineering*. The latest agenda of the General Session and each Breakout Session is available at: <http://lean.mit.edu>.

The session on Systems Engineering Revitalization will be held on Tuesday afternoon of the conference. This session will provide participants with an understanding of the policy changes, guidance, and initiatives focused on the revitalization of Systems Engineering. Government speakers will include Mrs. Marty Evans, Director, SAF Acquisition Center of Excellence; Mr. Robert Skalamera, OuSD AT&L Deputy Director of Systems Engineering & Enterprise Development; and Mr. Mark K. Wilson, Director of AF Center for Systems Engineering at AFIT. Several industry leaders will overview and discuss how their organizations are responding to the revitalization effort, and how they are addressing the need for effective systems engineering in the face of growing complexity and technological challenges. Speakers include Mr. Joe Adams, VP of Engineering at Pratt & Whitney and Mr. Dennis Schwarz, Director- Product Processes & Tools for Boeing IDS. Also at the conference on Thursday, March 25th the LAI Product Development meeting will be held with selected talks and several working sessions including topics of systems engineering leading indicators and incentives. ***Walk-in registrations will be welcomed at the conference.*** For further information contact Donna Rhodes, rhodes@mit.edu.

Dr. Donna Rhodes is a Senior Lecturer in the Engineering Systems Division in the School of Engineering at MIT, where she is also a principal researcher for the Lean Aerospace Initiative. Dr. Rhodes has 20 years of experience in aerospace, defense systems, systems integration, and commercial product development. Prior to joining MIT, she held senior level management positions at IBM Federal Systems, Loral, Lockheed Martin, and Lucent Technologies in systems engineering and enterprise transformation. She is a Past-President and Fellow of the International Council on Systems Engineering (INCOSE), and presently is INCOSE Director for Strategic Planning. She received her Ph.D. in Systems Science from the T.J. Watson School of Engineering at SUNY Binghamton.

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CONFERENCE ON SYSTEMS ENGINEERING RESEARCH (CSER)

Second Annual USC/Stevens-Tech Collaboration
Co-Sponsored by Los Angeles Chapter of INCOSE
Supported by NDIA, IEEE Aerospace and Electronic
Systems Society

April 15,16, 2004
USC Campus, Los Angeles, CA

Overall Format
Plenary Speakers in AMs - Paper Presentations in PMs
Cocktail hour and Banquet April 15th.

Plenary Speakers

Max Nikias (USC Dean of Engineering), George Korfiatis (Stevens
Institute Dean of Engineering)

Joseph Bordogna (Deputy Director NSF):
SE directions at National Science Foundations

Alex Levis, (AF Chief Scientist)
SE research at the AF Research Labs

Earl Murman, MIT:
report on the March 2004 SE meeting at MIT

Andrew Sage,(GMU):
Viewpoints from the Systems Engineering EIC

Barry Boehm (USC):
the crucial SE/ Software intersection

Eric Honor (INCOSE):
on SECOE, the research arm of INCOSE

Donna Rhodes (MIT):
on the strategic INCOSE vision

Eberhardt Rechtin (USC),
on systems architecting perspectives

George Friedman (USC):
Towards a Grand Unified Theory of SE

Elliot Axelband (Rand):
Distinguished Government and Industry Roundtable
"The need for better SE and how to get there."

Thaddeus Sandford, (VP Engineering,
The Boeing Company Integrated Defense Systems)

Richard Croxall, VP, Mission Assurance & Chief Engineer,
Northrop Grumman Space Systems

Mark Wilson, (Director of the AF Center for Systems Engineering)
Robert Rassa,
(Raytheon and NDIA)
more...

Paper Presentations
45 peer-reviewed papers presented in 4 parallel tracks

Countries Represented
USA, UK, Austria, Finland, Sweden, Israel, China, Brazil, Australia

Companies Represented
The Boeing Company, Raytheon, Northrop Grumman, The
Aerospace Corporation, Rand, Jet Propulsion Laboratory

FOR MORE INFORMATION AND REGISTRATION, VISIT:
<http://usc.edu/dept/engineering/cser>

Dinner Meeting
Tuesday, May 11, 2004

Location
The Aerospace Corporation

Time
Networking 5:30 pm
Speaker 6:30 pm

Cost
Members Free
Guests \$10.00

**Strategy for Implementing a Systems Engineering
Process:
Embedding Systemic Accountability in an Executable
Model of the PMI PMBoK**
Alison Boardman
Elipsis Inc.

ABSTRACT: The need to system engineer a good idea for a product, in order to realize that product in the market place, is taken for granted. The need to have a plan to do this is also recognized. However, the need to apply the same systems engineering discipline to the realization of the plan as to the product is not a commonly held view. The Project Management Institute (PMI) Project Management Body of Knowledge (PMBok) provides a well-structured and commendably systemic description of the processes for project governance.

This presentation will include a summary of work being performed by Elipsis Inc., in collaboration with PMI, to develop structured process models representing a subset of the PMBoK. The resultant discussion is intended to enable an INCOSE/PMI assessment of interest in developing a complete PMBoK process model set that could be used as a template design for process-based project plans.

BIOGRAPHY: Alison Boardman attained her Bachelors degree in Applied Physics in 1987 and gained her formative experience working for Marconi Underwater Systems in Hampshire. A variety of experiences led to a keen interest in helping others to understand the product lifecycle in terms of systems engineering and project management processes.

Since 1991 Alison has combined research and consultancy contracts to develop and apply techniques for people-centered business process analysis, modeling, and improvement. She completed her PhD from this work in 1997. Alison's training and consulting assignments include services to Pall Europe, BAe Airbus, various Marconi businesses, DERA, National Air Traffic Services, the RAF, and the Bank Relationship Consultancy. Alison is the Managing Director of Elipsis Inc., which makes the process-modeling software PET (Process Envisioning Tool) and companion tools that can be seen on www.elipsis.com. Elipsis has recently moved their center of operations from Southampton, UK, to Tampa, Florida.

RESERVATIONS: You must RSVP to attend, NO EXCEPTIONS. RSVP via the INCOSE-LA website (www.incose-la.org) or to Paul Su (paul.k.su@aero.org, 310-336-2602) by May 7 if you are a US citizen, or by May 4 if you are NOT a US citizen.

ADDITIONAL INFORMATION: Additional details can be found at the INCOSE-LA website (www.incose-la.org).

DIRECTIONS TO THE AEROSPACE CORPORATION

<http://www.aero.org/locations/elSegundo.html>

From the Douglas Street gate, continue straight (east) in towards the small power plant. Park on the right before reaching the power plant. The South Lobby is on your left (north) and hard to see until you're pretty close.

From the southbound San Diego Freeway (Interstate 405):

- Exit at El Segundo Blvd (La Cienega Blvd) (just past the I-105 interchange).
- Turn left at the bottom of the ramp onto La Cienega.
- At El Segundo Blvd., turn right.
- Turn left on Douglas St.
- Turn left into Aerospace

From the northbound San Diego Freeway (Interstate 405):

- Exit at El Segundo Blvd. (just before the I-105 interchange).
- Turn left at the bottom of the ramp onto El Segundo Blvd.
- Turn left on Douglas St.
- Turn left into Aerospace

From the westbound Century Freeway (Interstate 105):

- Take the southbound I-405 exit.
- Stay in the right lane.
- Take El Segundo Blvd. exit (exit is before ramp merges with I-405).
- Turn left at the bottom of the ramp onto El Segundo Blvd.
- Turn left on Douglas St.
- Turn left into Aerospace

From Los Angeles International Airport:

- Exit airport to Highway 1 South (Sepulveda).
- Turn left on El Segundo Blvd. (eastbound).
- Turn right on Douglas St.
- Turn left into Aerospace

SPECIAL REQUEST/ANNOUNCEMENT

If you have any article relating to systems engineering that might be of interest to the LA Chapter, please send the article or contact, the Newsletter editor at michael.krueger@ase-consult.com. Upon review, we would like to feature it in an upcoming newsletter.

A special edition of the newsletter that will have focus on technical aspects of systems engineering is currently being planned. If you are interested in contributing to this technical publication please contact the Newsletter editor: michael.krueger@ase-consult.com.

MEK

The Board and Officers wish to welcome the following new Chapter members:

Alex Bradley	Tailored Networks, Inc.	Dan Martens	SAIC
Bob Carson	SAIC	John Martin	Accenx Technologies, Inc.
John Daegele	Northrop Grumman	Roy Myers	The Boeing Company
Sam Dodds	The Boeing Company	Steve Nelson	
Bob French	The Boeing Company	Mark Price	PaR Systems, Inc.
Lee Keskey	SCE	Joy Lenoard Vargo	The Boeing Company
Jamie Kozlevcar	The Boeing Company	Adam Wojtowich	Northrop Grumman
Juan Lam	Raytheon	Gil Vernon	The Boeing Company

INCOSE News

Return Address:

**2118 Colony Plaza
Newport Beach, CA
92660**

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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. 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:

2004 Officers and Board

President:	John Hsu	john.c.hsu@boeing.com	president@incose-la.org
Vice-President:	Dennis Schwarz	dennis.c.schwarz@boeing.com or	vicepresident@incose-la.org
Past President:	Michael L. Dickerson	simimike@iname.com or	pastpresident@incose-la.org
Treasurer:	Marsha Weiskopf	marsha.weiskopf@aero.org or	treasurer@incose-la.org
Secretary:	Karen Miller	karen.miller@ngc.com	secretary@incose-la.org
Membership:	Paul Cudney	paulcudney@dslextreme.com or	membership@incose-la.org
Programs/Speakers:	Gina Kostelecky-Shankle	gina.m.kostelecky-shankle@aero.org or	programs@incose-la.org
Ways and Means:	Ronald Williamson	ronald.w.williamson@aero.org or	waysandmeans@incose-la.org
Tutorials/Education:	Anna Warner	anna.warner@boeing.com	setraining@incose-la.org
Communications:	Paul Su	paul.k.su@aero.org or	communications@incose-la.org

Those interested in INCOSE membership wanting to be placed on our E-mail distribution please contact Susan Ruth - susan.c.ruth@aero.org
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