

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

Issue No. 6

October, 2002

COMING EVENTS

Saturday, October 19
Tutorial

Knowledge Engineering for Systems Engineers

Tutorial Leader
 John Velman

Location
 Los Angeles Airport Radisson Hotel

Tuesday, November 12
Dinner Meeting

Guest Speaker
 To be announced

The Following is your ballot for the 2003

Board of Directors and Officers

Officers

President	Mike Dickerson*
Vice President	John Hsu*
Secretary	Paul Cudney*
Treasurer:	Marsha Weiskopf*
Past President:	Michael Krueger

Board of Directors:

Programs	Gina Kostelecky-Shankle*
Education:	Saul Miller
Membership:	Susan Ruth
Communication:	Ron Williamson
Ways and Means:	Tom Kudlick

In the past we have sent out a post card ballot. This year we are using the Newsletter to post the ballot.

* positions for which you are voting for. Board of Directors are 2 year term positions- one position is up for election this year. All Officers are 1 year terms, past president is not an elected position.

Please vote as follows:

I accept the slate of Officers and Board of Directors
 _____ (check mark)

I do not accept the slate of Officers and Board of Directors
 _____ (Check mark)

A reason must be provided for non-acceptance of the slate. Use a separate sheet of paper and please be sure to identify yourself with contact information.

No response will be considered acceptance of the slate

Reponse is due no later than Friday, November 1, 2002

Please cut out and return ballot to:

Ms. Katy Kuey
 17910 Newbrook Ave, Cerritos CA 90703-8948



From the President Ballot for the New Board Michael E. Krueger

I am pleased to present to you, our general membership, the slate of Officers and Board of Directors for 2003. We have had a great year and the Board and Officers have provided the leadership for the revitalization of the Los Angeles Chapter for the needed continuity, many of this years Board and Officers will carry forward making next year an exciting year for the Chapter. A sign of a healthy organization is that of bringing new faces to the Board. This year we will have three new Board members with Mr. John Hsu, Ms. Gina Kostelecky-Shankle and Mr. Paul Cudney. The following are the Bio's for the candidates for the Officers and Board of Directors for your consideration.

Officers:



President - Michael Dickerson: President/Owner of M & B Consultants. He works with projects to help define the processes and methods for System, Sub-system design and the other parts of the life cycle. He is Chairman of the Model Driven System Design (MDS) working Group for INCOSE. He works with standards organizations for the development of Systems Engineering STEP standards.

Before his present work he worked at NASA/JPL, Litton, Teledyne and Univac. He has had jobs such as: Project Element Manager for the Micro Gyro project and worked on other missions like the Cassini, Seawinds, and Pathfinder missions, the Chief Engineer for the Milstar Satellite Avionics and several Military space programs. His technical background is in Automatic Controls and Vibrations. His Degrees are from Brigham Young University. He was a design Engineer for the Univac and a Nuclear Power Officer in the Navy. He has a broad background in all phases of Aerospace work from concept through operations. His hobbies are Boy Scouting, Scuba Diving, Skiing, and System Engineering. He has stopped wearing his pocket protector.



Vice President - John C. Hsu implemented the first break-through systems engineering application for the Boeing/Airlift and Tanker Program. It was presented in International Council on Systems Engineering (INCOSE) in Vancouver, 1998. He is the pioneer in developing and establishing systems engineering process, metrics, templates, methods, and tools. John is a Subject Matter Expert (SME) in Risk Management, Trade Studies, Technical Performance Measurement (TPM) and other

systems engineering areas and an instructor at the Boeing Company and The University of California at Irvine Extension.

John has been constantly involved with INCOSE activities. He served as the General Chair of the Mini-Conference held in Long Beach, CA, in June of 2002. He also served as Session Chair and Presenter in the previous Mini-Conferences held in Southern California. He has presented papers and participated in several Annual INCOSE Conferences. John is an Associate Fellow and a Member of Systems Engineering Technical Committee in AIAA (American Institute of Aeronautics and Astronautics) where he has served many times as Conference Organizer and Session Chair.

TUTORIAL: Knowledge Engineering for Systems Engineers

DATE: Saturday, October 19, 2002
(Reservations by October 14)

TIME: 8:00 AM to 5:00 PM; Registration begins at 7:30 AM

LOCATION: Radisson Hotel at Los Angeles Airport
6225 West Century Boulevard
Los Angeles, CA 90045
(310) 670-9000

TOPIC: Knowledge Engineering for Systems Engineers

The current state of the art of knowledge engineering has significant value to systems engineers. In particular, the viewpoints, methods and tools of knowledge engineering are useful to systems engineers. This tutorial focuses on the application of a set of methods and tools that can be used to improve the practice of systems engineering. For example, knowledge engineering methods and model-based methods are natural partners.

In addition, the theoretical foundations of knowledge engineering, some of which will be discussed in this tutorial, can be used to further develop the theoretical foundations of systems engineering.

Finally, participants will acquire a foundation that will aid in the systems engineering of products that incorporate intelligent agents that have their roots in knowledge based systems.

LECTURER: John Velman



Dr. Velman has recently retired from Boeing Satellite Systems (formerly Hughes Space and Communications). His most recent responsibilities included managing the Boeing Space and Communications patent portfolio, management of company participation in international and national standardization work, and university technical relations. He has been the Boeing Space and Communications representative to the INCOSE CAB, and chair of the INCOSE CAB. He has been Chair of the INCOSE Education and Training TC, and co-chair of the INCOSE Standards TC.

Dr. Velman became interested in knowledge engineering during the mid 1990s, and has devoted his personal research efforts to its application to systems engineering. He is a member of the IEEE working group developing IEEE P1600.1, Standard Upper Ontology, and a participant in the ISO 10303 AP233, Systems Engineering Data Exchange working group.

Dr. Velman is an INCOSE Fellow. He has a BS in Science from the California Institute of Technology, a BS in Atmospheric Science from the University of Washington, and Masters and Ph.D. degrees in Mathematics from USC.

REGISTRATION: By October 12, 2002, mail your registration to Saul Miller (mailing address and form are below) Checks must accompany the registration. Accommodations can be made for company checks. (Need to find a registrar)

QUESTIONS: Saul Miller at 310-336-6869 or at saul.miller@aero.org



Treasurer – Ms. Marsha V. Weiskopf has 20 years experience in both military and commercial communications systems. Since joining The Aerospace Corporation in 1993, Ms. Weiskopf has supported the Milsatcom Program Office where her responsibilities have included frequency management of Milstar and GBS payloads, requirements definition and development of ground system software, and verification of requirements. Prior to 1993, Ms. Weiskopf worked at the Martin Marietta Corporation (now Lockheed Martin) as System Integrator on government programs where she provided technical evaluation of leading-edge

technologies relevant to spacecraft payload communications, telecommunications (computer networking and data communication protocols), ground station software, fiber optics, and simulations of communications systems. Ms. Weiskopf also has over 10 years experience at the Hughes Aircraft Company's Space and Communications Group where she provided communications engineering support to several commercial and classified military programs. Ms. Weiskopf has been a member of INCOSE since 1997 and has been part of the Board of Directors and an Officer since 1999. Most recently Ms. Weiskopf has been the Treasurer for the Chapter.



Secretary – Paul Cudney recently retired from Lockheed Martin. Mr. Cudney has nearly four decades system engineering experience as a real-time systems programmer, security engineer, requirements analyst, system integrator, and manager. He was Chairman of the Los Angeles Chapter of the Association for Computing Machinery, served as a track chair at this year's INCOSE-LA Mini-Conference, and is also a member of AIAA. As secretary, he plans to

vigorously pursue programs to increase the knowledge and stature of our members.

Board of Directors (1 position):



Programs/Speakers – Gina Kostelecky-Shankle

Gina has provided systems engineering support to numerous aircraft and space programs over the course of her career. During most of her 12 years at Northrop Grumman Corporation, she was a technical focal point for the development and acquisition of numerous pieces of support equipment for the B-2 Bomber. In this capacity she was not only responsible for defining requirements for support equipment but also for ensuring that

contractors developed and delivered equipment that met those requirements. While employed at Northrop Grumman, Ms. Kostelecky-Shankle also attended the University of Southern California on a part-time basis and received a Master of Science degree in Industrial and Systems Engineering. In 2000 Ms. Kostelecky-Shankle changed employers and began working at The Aerospace Corporation as a systems engineer in the Engineering and Technology Group. During her relatively short time at The Aerospace Corporation, she has provided systems engineering support to numerous military and civil programs. She was also recently promoted to a management position in the Systems Engineering Division. Ms. Kostelecky-Shankle served as one of the Technical Co-Chairs for the INCOSE-LA Mini-Conference held in June 2002 and has participated in numerous INCOSE activities since joining the organization less than a year ago. She has also been a member of the Society of Women Engineers (SWE) for several years.

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FEES: \$80 for members, \$100 for non-members. Make checks payable to "INCOSE-LA". Acceptable forms of payment are personal checks, bank drafts, and money orders. Credit cards and purchase orders are not accepted.

Register on-line www.incose-la.org

Make payment at the tutorial to LA INCOSE.

LUNCH: Continental Breakfast, and Lunch will be provided. If you have special dietary needs, please inform us of your preference.

REFUND POLICY: Substitutions are permitted until the day of the tutorial. Full refunds will be made prior to October 14th. No refunds will be made after October 14th INCOSE-LA chapter reserves the right to cancel the tutorial with full refunds.

PARKING: A discounted rate of \$5.00 for self-park and \$7.00 for valet parking is available at the hotel.

Driving Instructions.

From the South:

- Take the 405 Freeway North to the 105 Freeway West. Exit the 105 Freeway at Sepulveda Blvd North/LAX Airport.
- Take Sepulveda Blvd North through the tunnel. After passing the LAX Airport off ramp, get into the right turn lane and turn right onto 98th Street.
- Turn right on Vicksburg Street and turn right into the hotel parking lot.

From the North:

- Take the 405 Freeway South to the 105 Freeway West. Follow the above directions after exiting Sepulveda Blvd. North/LAX Airport.

From the East:

- Take the 105 Freeway West. Follow the above directions after exiting Sepulveda Blvd. North/LAX Airport.

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REGISTRATION FORM

Name _____
Position _____
Company _____
Member # (if known) _____
Mailing Address _____

Day Phone _____
Fax _____
Email _____

Mail completed form and check made out to "INCOSE-LA"
(INCOSE-LA Chapter Tutorial c/o Mr. Saul Miller)
Aerospace Corporation
P.O. Box 92957
Mail Stop M4-916
Los Angeles, California 90009-2957

Check mark - the amount enclosed

INCOSE Member (\$80 Tutorial Fee) _____
Non-Member (\$100 Tutorial Fee) _____
2003 INCOSE Membership and Tutorial Registration For Non Members (\$140) _____

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:

President:	Michael E. Krueger – michael.krueger@ase-consult.com
Vice-President:	Katy Kuey – katy.kuey@lmco.com
Past President:	Dave Beshore – David_G_Beshore@raytheon.com
Treasurer:	Marsha Weiskopf – marsha.weiskopf@aero.org
Secretary:	Scott Jackson – scott.jackson@boeing.com
Membership:	Susan Ruth – susan.c.ruth@aero.org
Programs/Speakers:	Michael L Dickerson – simimike@iname.com
Ways and Means:	Thomas Kudlick – synchrocubed@aol.com
Tutorials/Education:	Saul D. Miller – saul.miller@aero.org
Communications:	Ronald Williamson - ronald.w.williamson@aero.org

Those interested in INCOSE membership please contact contact Susan Ruth.
Those interested in working on a committee please contact the appropriate Director.