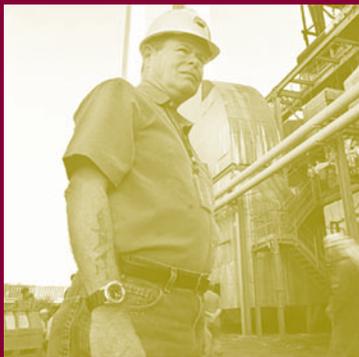


9TH ANNUAL SYSTEMS ENGINEERING CONFERENCE

**“Focusing on Improving Performance
of Defense Systems Programs”**

**Event #7870
October 23-26, 2006
San Diego, CA**



Sponsored by the National Defense Industrial Association,
with Technical Co-Sponsorship by IEEE AES, IEEE Systems
Council and INCOSE

Supported by the Office of Under Secretary of Defense for
Acquisition, Technology and Logistics, Director, Systems
and Software Engineering and Office of the DoD Chief
Information Officer



9TH ANNUAL SYSTEMS ENGINEERING CONFERENCE

October 23 - 26, 2006

Conference Announcement

A major Conference focusing on improving acquisition and performance of Defense programs and systems, including net-centric operations and data/information interoperability, system-of-systems engineering, and all aspects of system sustainment, will be convened in San Diego, CA, October 23-26, 2006. This Conference is sponsored by the National Defense Industrial Association, Systems Engineering Division, with technical co-sponsorship by IEEE AES, IEEE Systems Council, and the International Council on Systems Engineering, and is supported by the Office of Under Secretary of Defense for Acquisition, Technology and Logistics, Director, Systems and Software Engineering and Office of the DoD Chief Information Officer.

Conference Objectives

This conference seeks to create an interactive forum for Program Managers, Systems Engineers, Chief Scientists, and engineers and managers from the government, industry, and academic communities whose interests converge on Defense acquisition, from capabilities analysis through disposal. This Conference will provide the opportunity to shape policy and guidance through the exchange of innovative procedures and lessons learned to address the following current issues:

- Interoperability & Systems Integration
- System-of-Systems Engineering
- Life Cycle Systems and Program Management
- Aging Aircraft
- Life Cycles Systems Management
- Sustainment & Upgrade of Legacy Systems
- Application of Government & Industry "Best Practices" Yools, Methodologies & Technologies
- Capability Maturity Model Integration (CMMI)
- Integrated Systems Engineering, Test, & Supportability Disciplines
- Network Centric Operations
- Application of DoD Initiatives:
 - Performance-Based Business Environment
 - System Safety
 - Open Systems
 - Simulation-Based Acquisition
 - COTS Integration
- Systems Engineering Effectiveness
- Modeling & Simulation
- Integrated Risk Management
- Performance Based Logistics
- Improved Cycle Times for Design, Manufacture & Repair Process
- Improved Mission Readiness & Systems Availability
- Systems Engineering Training & Education

Background

The Department of Defense in undertaking a major transformation of our military capability in response to the new world environment and unforeseen threats. The ability to effect this transformation can only be realized if our Defense systems - space, air, land, sea, and under sea - can effectively satisfy mission area and capability requirements and achieve and sustain a high degree of interoperability, systems integration, systems safety, readiness, and availability. We believe that the greatest opportunity to achieve these objectives for new and legacy systems is through strong technical management embodied in systems engineering methodologies and processes, on the part of both industry and the DoD. Strong emphasis on systems engineering across the full acquisition life cycle, from concept refinement through sustainment, is a key enabler of incremental development and evolutionary acquisition. The Systems Engineering Conference is an annual event targeted at exploring the role of technical planning and execution in Defense programs and systems from a variety of perspectives, academic and pragmatic, by the entire Defense systems engineering community.

Brochure Contents

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For questions regarding the Conference, please contact : Britt Bommelje, Associate Director, at 703-247-2587 or bbommelje@ndia.org.

Hotel Information

• Hyatt Regency Islandia • • Hyatt Regency Islandia • • Hyatt Regency Islandia •

Hyatt Regency Islandia

1441 Quivira Road
San Diego, California 92109
(619) 224-1234



For more information about hotel and local attractions, please visit the hotel website at: <http://islandia.hyatt.com/hyatt/hotels/index.jsp>.

Please call the hotel directly in order to make your reservation. A block of rooms have been reserved at the Hyatt Regency Islandia. In order to ensure the discounted NDIA rate, you must make your reservations early, and ask for the NDIA room block. Rooms will not be held after Friday, September 29, 2006, and may sell out before then. Rates are also subject to increase after this date. The government per diem rate is available only to active duty or civilian government employees. ID will be required upon check-in. Retired military ID's do not qualify.

Government Rate: \$129.00*

Industry Rate: \$169.00

*(or prevailing government per diem rate at the time of the Conference)

Registration Information

• Registration Fees • • Registration Fees • • Registration Fees •

	• EARLY • before 8/30/06	• REGULAR • from 8/30/06 to 10/6/06	• LATE • after 10/6/06
Government/Allied/ Academia	\$660	\$725	\$800
Industry NDIA Member	\$775	\$855	\$940
Industry Non- NDIA Member	\$825	\$910	\$1,000

Tutorial Registration: \$200.00 - This registration is for the MONDAY TUTORIAL SESSION ONLY, and it is IN ADDITION TO the Conference registration fee

To register online for this Conference, please visit the following link: <http://www.ndia.org/meetings/7870>. Online registration will close on October 6, 2006. You must register onsite after this date. You can also download the registration form from the NDIA website or complete the form contained in this brochure. Fax the completed form to 703-522-1885 or mail to Event #7870, National Defense Industrial Association, 2111 Wilson Boulevard, Suite 400, Arlington, VA 22201-3061. Please do not fax or mail registration forms after October 6, 2006. You will need to register onsite after this date. Payment MUST be made at the time of registration. Registrations will not be taken over the phone. For additional questions, contact **Britt Bommelje**, Associate Director at 703-247-2587, or via email at bbommelje@ndia.org. Please see page 13 for the Conference Registration form.

CANCELLATIONS REMINDER: Cancellations received before August 30, 2006 will receive a full refund. Cancellations received from August 30, 2006 until October 6, 2006 will receive a refund minus a cancellation fee of \$75.00. REFUNDS WILL NOT BE GIVEN FOR CANCELLATIONS RECEIVED AFTER OCTOBER 6, 2006. Substitutions are welcome in lieu of cancellations.

Displayer Information

• Displayer Information • • Displayer Information • • Displayer Information •

NDIA invites you to display at the 9th Annual Systems Engineering Conference. An area will be available for the set-up of Corporate or Organization displays to demonstrate your company/organization's capability in Systems Engineering and Design expertise, Logistics Support, Systems Engineering and Design Tools, Modeling & Simulation Tools & Capability, expertise in Test & Evaluation, Reliability Analysis Tools & Capability, Process Improvement Capability & Tools including CMMI Appraisal Services & Tools, Engineering Services and related items. Displays will be table-top or "pop-up" style. Allocated display space will be 10 ft wide by 6 ft deep. Pipe and drape is not provided. Please see page 14 for the Display Registration Form.

For additional information on displays, please contact **Britt Bommelje**, at 703-247-2587 or at bbommelje@ndia.org.

General Conference Information

• Conference Information • • Conference Information • • Conference Information •

Identification Badges : During Conference registration and check-in, each participant will be issued an identification badge. Please be prepared to present a picture ID. Badges must be worn at all conference functions.

Conference Proceedings: Proceedings will be available on the web through the Defense Technical Information Center (DTIC), and will be available two to three weeks after the Conference. You will receive notification via e-mail that proceedings are posted and available on the web.

Promotional Partnership Opportunities: Increase your company or organization's exposure at this premier event by becoming a Promotional Partner. A Promotional Partnership will add your company name to the back cover of the on-site brochure as well as main platform recognition throughout the conference, signage at all events including the opening reception, a 350-word organization description in the on-site brochure, and a hotlink from the Conference webpage to your company website. For more information, please contact **Sam Campagna** at 703-247-2544 or via e-mail at scampagna@ndia.org.

Attire: Appropriate dress for this Conference is business casual for civilians and class B uniform for military.

ADA: NDIA supports the Americans with Disabilities Act of 1990. Attendees with special needs should call 703-522-1820 and refer to Event # 7870 prior to October 6, 2006.

National Defense Magazine: Advertise in National Defense and increase your company's exposure at this Conference! National Defense will be distributed to the attendees of this Conference and all other NDIA Conferences. For more information, please contact **Dino Pignotti** at 703-247-2582 or dpignotti@ndia.org.

Inquiries: For questions regarding the Conference, please contact **Britt Bommelje**, Associate Director at 703-247-2587 or at bbommelje@ndia.org.

For more information on the Conference, or to register online, please visit the Conference website at www.ndia.org/meetings/7870.

Conference Agenda -- At a Glance

•Sun, October 22, 2006 • • Sun, October 22 • • Sun, October 22 • •Sun, October 22 • • Sun, October

5:00 pm - 7:00 pm

Registration for Tutorials and General Conference
(Tutorials are an additional \$200.00 registration fee)

•Mon, October 23, 2006 • • Mon, October 23 • • Mon, October 23 • •Mon, October 23 • • Mon,

7:00 am - 5:00 pm

Registration

7:00 am - 8:00 am

Continental Breakfast for Tutorial Attendees
(Tutorials are an additional \$200.00 registration fee)

8:00 am - 12:00 pm

Tutorial Tracks
(Please refer to page 7 for Tutorial Schedule)

12:00 pm - 1:00 pm

Buffet Lunch for Tutorial Attendees

1:00 pm - 5:00 pm

Tutorial Tracks Continued

5:00 pm - 6:00 pm
Regency Annex

Reception in Display Area (Open to All Participants)

•Tue, October 24, 2006 • • Tue, October 24 • • Tue, October 24 • •Tue, October 24 • • Tue, October

7:30 am - 5:00 pm

Registration

7:30 am - 8:30 am

Continental Breakfast

8:30 am - 8:35 am

Introductions
Mr. Sam Campagna, Director, Operations, NDIA

8:35 am - 8:45 am

Opening Remarks
Mr. Bob Rassa, Director, Systems Supportability, Raytheon; Chair,
Systems Engineering Division, NDIA

8:45 am - 9:45 am

Keynote Address
HON James Finley, Deputy Under Secretary of Defense, Acquisition &
Technology

9:45 am - 10:15 am

Break

10:15 am - 12:00 pm

Plenary Session : Executive Panel

Moderator:

Mr. Mark Schaeffer, Director, Office of Under Secretary of Defense for
Acquisition, Technology and Logistics, Director, Systems and Software
Engineering

Panelists:

Mr. Carl Siel, ASN/RDA Chief Engineer (Acting)

Mr. Terry Jagers, SAF/AQ, Director, SAF/AQR (Science, Technology
& Engineering) (invited)

Mr. Doug Wiltsie, Assistant Deputy for ASM, HQDA, OASA (ALT) (Invited)

Mr. Steven Kapurch, Chief Systems Engineer, NASA (Invited)

Monday, October 23, 2006 - Tutorial Sessions

7:00 am Registration & Continental Breakfast

10:15 am - 12:00 pm

Regency A	TRACK 1 Tutorial Session 1A1	Practical Six Sigma Tools for Systems Engineering Mr. Rick Heifner
Regency B	TRACK 2 Tutorial Session 1A2	Requirements Engineering Workshop: A Practical Approach to Modeling and Managing Requirements Mr. William Deibler, II
Regency C	TRACK 3 Tutorial Session 1A3	How to Define Lean Systems Engineering Processes Mr. Tim Olson
Mission A	TRACK 4 Tutorial Session 1A4	What You Need to Know About Chaos, Complexity, and Complex Adaptive Systems to do Systems Engineering Well in the 21st Century Ms. Sarah Sheard
Mission B	TRACK 5 Tutorial Session 1A5	Systems Engineering Applications in Support of the Joint Capabilities Integration and Development System (JCIDS) Mr. Christopher Ryder
Mission C	TRACK 6 Tutorial Session 1A6	Integrated Specification Development Algorithm Mr. Jeffrey Grady
Island A	TRACK 7 Tutorial Session 1A7	System Level Configuration Management Mr. Al Florence
Island B	TRACK 8 Tutorial Session 1A8	QUASAR: A Method for Assessing the Quality of the Architecture of Large and Complex Software-Intensive Systems Mr. Donald Firesmith

1:00 pm - 2:45 pm

TRACK 1 Tutorial Session 1C1	Performance and Reliability Modeling Dr. Meng-Lai Yin
TRACK 2 Tutorial Session 1C2	Integrated Project Management (IPM) – The CMMI and Collaborative Product Development Mr. William Deibler, II
TRACK 3 Tutorial Session 1C3	How to Measurably Improve Your Requirements Mr. Tim Olson
TRACK 4 Tutorial Session 1C4	Leading Effective Technical Reviews and Meetings Mr. David Walden, CSEP
TRACK 5 Tutorial Session 1C5	Improving Systems Engineering Effectiveness Through Assessment and Process Improvement Mr. Ian Talbot
TRACK 6 Tutorial Session 1C6	Integrating Systems Engineering with Earned Value Management Mr. Paul Solomon
TRACK 7 Tutorial Session 1C7	Introduction to SysML & Object Oriented Systems Engineering Methodology (OOSEM) Dr. Abe Mellich
TRACK 8 Tutorial Session 1C8	Acoustic Rapid COTS Insertion and Advanced Processing Build – Integrating Test & Evaluation Philosophies into Systems Engineering Mr. George Maris

3:15 pm - 5:30 pm

TRACK 1 Tutorial Session 1D1	Performance and Reliability Modeling (Continued) Dr. Meng-Lai Yin
TRACK 2 Tutorial Session 1D2	Integrated Project Management (IPM) – The CMMI and Collaborative Product Development (Continued) Mr. William Deibler, II
TRACK 3 Tutorial Session 1D3	How to Measurably Improve Your Requirements (Continued) Mr. Tim Olson
TRACK 4 Tutorial Session 1D4	Leading Effective Technical Reviews and Meetings (Continued) Mr. David Walden, CSEP
TRACK 5 Tutorial Session 1D5	Improving Systems Engineering Effectiveness Through Assessment and Process Improvement (Continued) Mr. Ian Talbot
TRACK 6 Tutorial Session 1D6	Integrating Systems Engineering with Earned Value Management (Continued) Mr. Paul Solomon
TRACK 7 Tutorial Session 1D7	Introduction to SysML & Object Oriented Systems Engineering Methodology (OOSEM) (Continued) Dr. Abe Mellich
TRACK 8 Tutorial Session 1D8	Acoustic Rapid COTS Insertion and Advanced Processing Build – Integrating Test & Evaluation Philosophies into Systems Engineering (Continued) Mr. George Maris

5:30 pm - 6:30 pm Reception in Display Area

Break

Break

Buffet Lunch

Break

Break

Tuesday, October 24, 2006

1:30 pm - 3:00 pm

3:30 pm - 5:00 pm

Regency A	TRACK 1 Systems Engineering Effectiveness Mr. Al Brown	Defense SE Revitalization – A Work in Progress	Understanding the Technical Rationale and Intent of Requirements
Regency B	Session 2C1 Mr. John Lohse	Advancing the Role of DT&E in the Systems Engineering Process: An Update on the NDIA Systems Engineering Division DT&E Committee	Assessing Technology Maturity Through Testing
Regency C	TRACK 3 Program Management Mr. Bob Lyons	Cost Efficient Risk Management through Integrated T&E throughout the Systems Engineering Life Cycle	A Closer Look at the Housing Bubble and Requirements Management
Mission A	Session 2C3 Mr. Howard Savage	Energetic Material/Systems Prognostics	Insight: Operability Testing for High Availability Systems
Mission B	TRACK 5 Modeling & Simulation Mr. Jim Hollenbach	Implementing the Acquisition M&S Master Plan	Planning M&S Support to Systems Engineering
Mission C	TRACK 6 Net Centric Operations Mr. Jack Zavin	Reference Architectures and the JCIDS Process	Architecture, Requirements, and Software: A Cooperative Approach to Product Management
Island A	TRACK 7 Best Practices & Standardization Mr. Paul Croll	How Does High Maturity Benefit the Customer?	CMMI—Next Steps
Island B	TRACK 8 Software Dr. Tom Christian	A Pragmatic Focus in Managing Subcontractor Performance in a Systems Engineering Services Program Via the CMMI	Early Application of Computer Program Systems Integration, Test and Performance Measurement
	Session 2C8	Dr. Mary Anne Herndon	Mr. Tom Sobieralski

TRACK 1 Systems Engineering Effectiveness Mr. Al Brown	Systems Engineering Used in Venus Satellite Design	Systems Engineering: Recap on What We've Learned and Insights on Late-breaking Research	Royal Air Force Flyingsales: Space Information and Intelligence System
Session 2D1 Mr. John Lohse	System Engineers Provide a Key Contribution and Role in System Integration & Test	The Value of Embedded Systems Engineering in Test and Evaluation	Mr. Dominick Peter Sardella
TRACK 2 Program Management Mr. Bob Lyons	Program Support: Perspectives and Systemic Issues	Using a Layered Definition of Capability to Align SE, T&E, and M&S	Systems Engineering – The Defense Acquisition System's Environmental Management System
Session 2D3 Mr. Howard Savage	Technical Content Sharing within IEDM IETW-IMI Common Operating Environments	Utilizing Current Test Strategies to Drive Diagnostics Development, Deployment and Support Through Software Tools	Mr. Sherman Forbes
TRACK 4 Integrated Diagnostics Mr. Howard Savage	Model-Based Systems Engineering	Model Driven SE and Verification: Linking the "Vee"	Mr. Duane Lowenstein
Session 2D4 Mr. Jim Hollenbach	Model-Based Systems Engineering	Model Driven SE and Verification: Linking the "Vee"	Mr. Duane Lowenstein
Session 2D5 Mr. Jack Zavin	DoD Enterprise Architecting: Joint Net Centric Operations Analysis	The Use of Patterns in Enterprise Architecture	Mr. Timothy Tritsch
Session 2D6 Mr. Paul Croll	Value Stream Mapping: Technical Requirements Flow-Down to Suppliers	Implementing a Standardized, Lean and Paperless Change Management Process in a Legacy, Multi-Program Environment	Practical Experiences and Lessons Learned Implementing CMMI in an SE Organization
Session 2D7 Dr. Tom Christian	The Historical Results and Lessons Learned of a Software Reliability Prediction	How Applying the Team Software Process (TSP) and Personal Software Process (PSP) can increase Software Supportability	Mr. Michael Kutuch, Jr.
Session 2D8 Mr. Tom Christian	How Applying the Team Software Process (TSP) and Personal Software Process (PSP) can increase Software Supportability	Mr. Timothy Chick	Mr. Timothy Chick

Break in Display Area

5:30 pm - 7:00 pm Reception in Display Area

Wednesday, October 25, 2006

7:00 am Registration & Continental Breakfast

8:00 am - 9:45 am

10:15 am - 12:00 pm

Regency A	TRACK 1 Systems Engineering Effectiveness Mr. Al Brown Session 3A1	Step 1 for Systems Engineering: Establish a Tangible Requirement Management Process Mr. James Miller	The Next Generation of Air Force Systems Engineering: Application of SE to the Early Stages of the Life Cycle Mr. Jeff Loren
Regency B	TRACK 2 Test & Evaluation in Systems Engineering Mr. John Lohse Session 3A2	Applying the Systems Engineering Approach to the Test and Evaluation Process Mr. Raymond Beach	Test and Evaluation Using Virtual Modeling and Simulation Dr. Robert Franceschini
Regency C	TRACK 3 Program Management Mr. Bob Lyons Session 3A3	Numm-McCurdy's Are Not Fun - But - They Are Instructive HON Gary Payton	Acquisitions and Systems Engineering Metrics: Leading Indicators Versus Lagging Indicators Ms. Rebecca Cowen-Hirsch
Mission A	TRACK 4 Integrated Diagnostics Mr. Howard Savage Session 3A4	NDIA Electronics Prognostics Task Results - The E-Prog Technology Roadmap Dr. James Dill	Identifying and Assessing Life Cycle Related Critical Technology Elements (CTEs) for Technology Readiness Assessments (TRAs) Dr. Jay Mandelbaum
Mission B	TRACK 5 Modeling & Simulation Mr. Jim Hollenbach Session 3A5	Modeling and Simulation (M&S) an Issue of Credibility Mr. David Henry	Improving the State of Distributed Simulation Mr. Frank Salvatore
Mission C	TRACK 6 Net Centric Operations Mr. Jack Zavlin Session 3A6	New Perceptions in Coping with System of Systems Dr. Daniel Leshem	"The Net-Centric Foxhole" - Perspectives from Army Future Combat Systems Mr. David Emery
Island A	TRACK 7 Best Practices & Standardization Mr. Paul Croll Session 3A7	Navigating the Forest of Standards Ms. Cynthia Hauer	Defining and Partitioning Best-of-Team Processes in a Multi-Organizational Teaming Environment Mr. David Walden, CSEP
Island B	TRACK 8 Software Dr. Tom Christian Session 3A8	Long-Term Software Support Requires Good Configuration Management Mr. Mark Pellegrini	Solutions Analysis for Helicopter Brownout Lt Col John Colombi, USAF

TRACK 1 Systems Engineering Effectiveness Mr. Al Brown Session 3B1	How to Create and Select High Value, Innovative, Competitive and Economic Concepts for New Systems? Mr. Jacob Herscovitz	Systems Engineering and Integration for Submarine Combat Systems in the COTS Environment Mr. Dennis Cooper
TRACK 2 Test & Evaluation in Systems Engineering Mr. John Lohse Session 3B2	Explosives Safety Testing Requirements Mr. Scott Rideout	Toward Flight Testing Less, Better Mr. Dean Carico
TRACK 3 Program Management Mr. Bob Lyons Session 3B3	Quality/Systems Engineering Interfaces to Enhance Program Success Dr. Jay Mandelbaum	Cost as an Independent Variable Mr. Ed Casey
TRACK 4 Logistics & Supportability Mr. Chuck Silva Session 3B4	Identifying and Assessing Life Cycle Related Critical Technology Elements (CTEs) for Technology Readiness Assessments (TRAs) Dr. Jay Mandelbaum	Update on the Process for Evaluating Logistics Readiness Levels (LRLs) Ms. Elizabeth Broadus
TRACK 5 Modeling & Simulation Mr. Jim Hollenbach Session 3B5	Improving the State of Distributed Simulation Mr. Frank Salvatore	Information Assurance for Distributed M&S Standards Mr. Scott Holben
TRACK 6 Net Centric Operations Mr. Jack Zavlin Session 3B6	"The Net-Centric Foxhole" - Perspectives from Army Future Combat Systems Mr. David Emery	ASW FoS/SoS Acquisition Alignment Mrs. Colleen Cannon
TRACK 7 Best Practices & Standardization Mr. Paul Croll Session 3B7	Defining and Partitioning Best-of-Team Processes in a Multi-Organizational Teaming Environment Mr. David Walden, CSEP	Implementing an Effective Peer Review Process Ms. Jeanne Balsam
TRACK 8 Software Dr. Tom Christian Session 3B8	Solutions Analysis for Helicopter Brownout Lt Col John Colombi, USAF	Integrated Structural Health Monitoring for Aging Aircraft Maj Joerg Walter, USAF

Break in Display Area

12:00 pm Lunch in the Regency Annex

Wednesday, October 25, 2006

1:30 pm - 3:00 pm

Regency A	TRACK 1 Systems Engineering Effectiveness Mr. Al Brown	Concept for an Enterprise Wide System Engineering Collaborative Engineering Environment	Dr. David Signori, Jr.	Mr. Brian Shaw	Product-Based Systems Engineering Requirements
Regency B	Session 2C1				
Regency C	TRACK 2 Systems Engineering Effectiveness Mr. Al Brown	Performance-Based Earned Value®	Mr. Paul Solomon	Mr. James Miller	Implementing Systems Engineering in a Sustainment Environment
Mission A	Session 3C2				
Mission B	TRACK 3 Program Management Mr. Bob Lyons	Understanding the Joint Partnership Between Program Management & Systems Engineering on a Multi-Purpose Airlift Program	Mr. Benjamin Luong	SQNLDR Peter Weeding	Lessons Learned From a Mature DIMSMS Program (E3)
Mission C	Session 3C3				
Island A	TRACK 4 Logistics & Supportability Mr. Chuck Silva	Defining the Fundamental Framework of an Effective Performance Based Logistics (PBL) Contract	Dr. Dinesh Verma	Mr. Ivan Wolnek	A Common Sense Approach to Component Commonality
Island B	Session 3C4				
Island C	TRACK 5 Modeling & Simulation Mr. Jim Hollenbach	An Effective UML Process	Mr. Jeffrey Grady	Mr. Robert Slater	Missile Operations & Support Simulation (MOSS) Method
Island A	Session 3C5				
Island B	TRACK 6 Net Centric Operations Mr. Jack Zavin	Humans-in-the-Loop – Challenges in a Complex SOS Environment	Dr. Abe Mellich	Dr. Shin-lyh Chang	Capability Acquisition Strategy Analysis: A Real Options Approach
Island C	Session 3C6				
Island A	TRACK 7 Best Practices & Standardization Mr. Paul Croll	Rapidly Defining a Lean CMMI Maturity Level 3 Process	Mr. Zia Turfaiil	Ms. Kristine Blom	Defining a Lean Configuration Management Process at NASA JPL
Island B	Session 3C7				
	TRACK 8 Software	A Second Life for the OHIO Class Ballistic Missile Submarine: Facilitating Future Multi-Mission Capability for the SSGN	Mr. John Pavlos	Mr. Adam McCorkle	Lessons Learned with Integration of Federated Systems on Legacy Aircraft
	Session 3C8				

Break in Display Area

3:30 pm - 5:00 pm

Regency A	TRACK 1 Systems Engineering Effectiveness Mr. Al Brown	Systems Engineering for Rapid Prototyping: A Practical Application	Dr. John Colombi	Ms. Sarah Sheard	Bridging Systems Engineering and Systems Sciences – Moving Systems Engineering into the Third Millennium
Regency B	Session 3D1				
Regency C	TRACK 2 Systems Engineering Effectiveness Mr. Al Brown	Suitable Metrics for Measuring the Effectiveness of the Systems Engineering Process	Ms. Lauren Nguyen	Mr. John Pavlos	A New Strategy for Submarine Payload Integration – The VIRGINIA Multi-Mission Module
Mission A	Session 3D2				
Mission B	TRACK 3 Program Management Mr. Bob Lyons	Seven Steps of an Effective Lessons-Learned Process	Mr. Jim Colson	Ms. Kristen Baldwin	Certification of Flight Critical Systems Acquisition Environment, Safety, and Occupational Health (ESOH) – ODUUSD (R&E) Role and Activities
Mission C	Session 3D3				
Island A	TRACK 4 Logistics & Supportability Mr. Chuck Silva	GEIA-STD-0007 Logistics Product Data - Data Exchange using GEIA and ISO Standards (Revitalizing the LSAR)	Mr. Jimy Thai	Dr. Herbert Hecht	Technical Data (an output of Systems Engineering) in the LCMC Concept
Island B	Session 3D4				
Island C	TRACK 5 Modeling & Simulation Mr. Jim Hollenbach	Analysis, Interaction, Modeling and Simulation Framework	Mr. Russ Miller	Ms. Therese Metcaif	Using Technical Data For Program Assessment
Island A	Session 3D5				
Island B	TRACK 6 Net Centric Operations Mr. Jack Zavin	Open Architecture as an Enabler for FORCEnet	Mr. David Owens	Dr. Henson Graves	FORCenet Implications for Naval Coalition Forces
Island C	Session 3D6				
Island A	TRACK 7 Best Practices & Standardization Mr. Paul Croll	IGEA-927 Common Data Schema for Complex Systems. (A Harmonization of US and ISO Data Standards)	Mr. Patrick Grates	Mr. Eric Romero	Optimizing Risk Management
Island B	Session 3D7				
	TRACK 8 Software	The System Safety Basis for DoD's Emerging Contaminants Program	Ms. Shannon Cunniff	Mr. Richard Bollinger	Anti-Tamper Executive Agent
	Session 3D8				

TBD

Thursday, October 26, 2006

7:00 am Registration & Continental Breakfast

10:15 am - 12:00 pm

TRACK 1 Systems Engineering Effectiveness Mr. Al Brown Session 4B1	Adapting the Vee Model to Accomplish Systems Engineering on Change Projects Ms. Lauren Nguyen	Advances in Systems Engineering Measurement: Building Insight into Program Performance Mr. Garry Roedler
TRACK 2 Systems Engineering Effectiveness Mr. Al Brown Session 4B2	Integrating Environment, Safety, and Occupational Health Risk Management into Systems Engineering using the System Safety Methodology Mr. Sherman Forbes	Handbook on Engineering for System Assurance Ms. Kristen Baldwin
TRACK 3 Program Management Mr. Bob Lyons Session 4B3	Problem Reporting is not a Problem, It's an Opportunity Mr. Scott Banks	Fostering Intra-Organizational Communication of Enterprise Systems Engineering Practices Dr. Brian White
TRACK 4 Education & Training Session 4B4	Introducing Object Oriented Systems Engineering Methods in University Systems Engineering Curricula Mr. Christopher Ryder	Systems Engineering at Naval Postgraduate School Dr. Eugene Paulo
TRACK 5 Modeling & Simulation Mr. Jim Hollenbach Session 4B5	"Training" for Models: The Role of Knowledge Management in Applying M&S to Systems Engineering Dr. Robert Franceschini	A Predictive Model of User Page Costs for Future Air Traffic Services and Capabilities: An Automatic Dependent Surveillance - Broadcast Example Mr. Kent Hollinger
TRACK 6 Net Centric Operations Mr. Jack Zavin Session 4B6	Strategies for Moving Beyond the Simple Network Management Protocol (SNMP) Mr. Sam Omar	Hypothetical Military CONOP for Wireless Sensor Networks Mr. David Stuart
TRACK 7 Best Practices & Standardization Mr. Paul Croll Session 4B7	A Quest for Practical Design-for-Six-Sigma (DFSS) Tools - PGMM Case Study Mr. Douglas Storsved	Pattern Library for Use in Weapons System Engineering Mr. Frank Salvatore
TRACK 8 Session 4B8		

Break in Display Area

8:00 am - 9:45 am

Regency A	TRACK 1 Systems Engineering Effectiveness Mr. Al Brown Session 4A1	Improving the Systems Engineering Process Through Value Stream Mapping Mr. Brent Theodore	Knowledge Management (KM) and Risk Assessment (RA) Trusted Integrated Framework Mr. John Coughlin
Regency B	TRACK 2 Systems Engineering Effectiveness Mr. Al Brown Session 4A2	Proposed Safety Precepts and Safety Design Guidance for Unmanned Systems Mr. Edward Kratovil	Proposed Safety Precepts and Safety Design Guidance for Unmanned Systems (Continued) Mr. Edward Kratovil
Regency C	TRACK 3 Program Management Mr. Bob Lyons Session 4A3	Specifying Initial Design Review (IDR) and Final Design Review (FDR) Criteria Ms. Mary Ann Lapham	Technology Program Management Model (TPMM): A Systems-Engineering Approach to Technology Development Program Management Mr. Jeffrey Craver
Mission A	TRACK 4 Education & Training Session 4A4	Strategies for Systems Engineering Training Dr. Rick Hefner	Comprehensive Training for Your Engineering Workforce Mr. Michael Kutch, Jr.
Mission B	TRACK 5 Modeling & Simulation Mr. Jim Hollenbach Session 4A5	A Model-Driven Systems Engineering Approach for Unmanned Aircraft Air-space Integration Mr. Joseph Wolfrom	How the Modeling and Simulation Product Line Approach Supports Concept Exploration Dr. Robert Franceschini
Mission C	TRACK 6 Net Centric Operations Mr. Jack Zavin Session 4A6	Acquiring Evolving Technologies: Web Services Standards Mr. Harry Levinson	Leveraging Open Source e-Commerce Tools to Enable Joint Operations Mr. Steve Rowe
Island A	TRACK 7 Best Practices & Standardization Mr. Paul Croll Session 4A7	Mission Assurance Within the Framework of CMMI Ms. Kathleen Stone	RoHS and WEEE - How Will DoD Programs Manage the Lead-Free Transition? Mr. Vance Anderson
Island B	TRACK 8 Session 4A8		

12:00 pm Lunch in the Regency Annex

Thursday, October 26, 2006

1:30 pm - 3:00 pm

Conference Adjourns

Regency A	<p>TRACK 1 Systems Engineering Effectiveness Mr. Al Brown</p> <p>Statistical Design Process for System Engineering Turbo Tax for CMMI® - The Sequel</p> <p>Session 4C1 Dr. William Thomas</p> <p>TRACK 2 Test & Evaluation in Systems Engineering Mr. Al Brown</p> <p>Engineering Practices for System Assurance Getting Started With Measuring Your Security</p> <p>Session 4C2 Mr. Paul Croll</p> <p>TRACK 3 Program Management Mr. Bob Lyons</p> <p>Effective QA on Small Projects Systems Management: Can It Help Forecast Future Program Performance?</p> <p>Session 4C3 Ms. Jean Swank</p> <p>TRACK 4 Education & Training</p> <p>Continuous Learning Module – M&S for Systems Engineering</p> <p>Session 4C4 Mr. Michael Truelove</p> <p>TRACK 5 Modeling & Simulation Mr. Jim Hollenbach</p> <p>A Supply Chain Simulation for Program Managers in Manufacturing</p> <p>Session 4C5 Mr. Swee Leong</p> <p>TRACK 6 Net Centric Operations Mr. Jack Zavim</p> <p>An Industry Situational Assessment of the Current Maturity of Data Standards, Processes and Infrastructure to Implement a Net-Centric Information Systems Common Data Environment</p> <p>Session 4C6 Mr. Dick Engwall</p> <p>TRACK 7 Best Practices & Standardization Mr. Paul Croll</p> <p>Extending the Team Software Process (TSP) for Systems Engineering</p> <p>Session 4C7 Mr. Dennis Linck</p> <p>TRACK 8</p> <p>Implementations of the STEP Systems Engineering Standard (AP233)</p> <p>Session 4C8 Mr. James U'Ren</p>	<p>Risk Management Process Improvements on the Global Hawk Program</p> <p>Mr. Doug Atkinson</p> <p>Horizontal Integration of ESOH Requirements within the Program Management Office for Future Combat Systems (Brigade Combat Team)</p> <p>Ms. Elizabeth Miller</p> <p>Mr. Michael Kurtch</p> <p>Ms. Michele Moss</p> <p>Mr. Adrio DeCicco</p> <p>Mr. Neil Siyya</p> <p>Dr. Brian Sauser</p> <p>Mr. James U'Ren</p>
Regency B		
Regency C		
Mission A		
Mission B		
Mission C		
Island A		
Island B		

9th Annual Systems Engineering Conference
 Hyatt Islandia, San Diego, CA
 October 23-26, 2006 • Event #7870

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Government/Academia	<input type="radio"/> \$660	<input type="radio"/> \$725	<input type="radio"/> \$800
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Tutorial Registration - MONDAY ONLY \$200
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Cancellations received before August 12, 2006 will receive a full refund. Cancellations received between August 12, 2006 and October 6, 2006 will receive a refund minus a cancellation fee of \$75. No refunds for cancellations received on or after October 6, 2006.

Substitutions welcome in lieu of cancellation.

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Registration for Displays, Event # 7870
9th Annual Systems Engineering Conference
October 23-26, 2006
Hyatt Islandia
San Diego, CA

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Display Requirements:

All displays must be of the simple table-top/pop-up style standards. Space per display shall not exceed 10 ft. wide by 6 ft. deep. Minimal hardware to be utilized (computer systems for demonstrations are OK). No formal decorating company is involved. Companies must bring their own displays and plan to do their own set-up. Standard 2.5 x 6 ft. draped folding tables and chair will be provided for each display space. No other props or setups (pipe & drape, plants, etc.) will be utilized.

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Displays are to be set up by 4:00 PM October 23, 2006 and should remain in place until after the mid-morning break on October 26, 2006. Displays must be removed by 4:00 PM October 26, 2006.

Cost: Displays (includes one free registration and electrical hook-up for display): \$ 1,000

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