NDIA
NATIONAL DEFENSE INDUSTRIAL ASSOCIATION
STRENGTH THROUGH INDUSTRY & TECHNOLOGY

PROMOTING NATIONAL SECURITY SINCE 1919

11TH ANNUAL SYSTEMS ENGINEERING CONFERENCE

HYATT REGENCY MISSION BAY ► SAN DIEGO, CA

OCT. 20-23, 2008
WWW.NDIA.ORG/MEETINGS/9870

IN CONJUCTION WITH:

CONFERENCE OBJECTIVES

This conference seeks to create an interactive forum for Program Managers, Systems Engineers, Software Engineers, Chief Scientists, and Engineers and Managers from government, industry, and the academic communities whose interests converge on Defense acquisition, from capabilities analysis through operations and disposal. This conference will provide the opportunity to learn from one's peers on latest techniques and methodologies, and help shape policy and guidance through the exchange of innovative procedures and lessons learned to address the following current issues:

- Effectiveness of Systems Engineering
- Program Management
- Architectures
- Requirements Development & Management
- Interoperability & Systems Integration
- Software & Software-intensive Systems
- Network Centric Operations
- System-of-Systems Engineering
- Modeling & Simulation
- Integrated Risk Management
- Aging Aircraft
- Logistics & Supportability including Performance Based Logistics
- Life Cycle Systems Management
- Improved Cycle Times for Design, Manufacture, & Repair Process
- Sustainment & Upgrade of Legacy Systems
- Application of Government & Industry "Best Practices" Tools, Methodologies, & Technologies
- System Safety – Environment, Safety & Occupational Health & Human Systems Integration
- Improved Mission Readiness & Systems Availability
- Enterprise Health management & Integrated Diagnostics
- Systems Engineering Training & Education
- Capability Maturity Model Integration (CMMI)
- Integrated Systems Engineering, Test, & Supportability Discipline
- Application of DoD Initiatives:
    - -Performance Based Business Environment
    - -System Safety
    - -Open Systems
    - -Simulation Based Acquisition
    - -COTS Integration

BACKGROUND

The Department of Defense has been undertaking a major transformation of our military capability over the past few years in response to the new world environment and unforeseen, ever-changing 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, readiness, availability, and systems safety, with affordable cost. 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, in not only the technical arms but the management & program management arms. Strong emphasis on systems engineering across the full acquisition life cycle, from concept development & refinement through deployment & sustainment, is a key enabler of improved performance in the overall acquisition process and effectiveness. 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.

GENERAL INFORMATION

CONFERENCE ATTIRE

Appropriate dress for this conference is business casual for civilians and class B uniform for military.

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 one to two weeks after the conference. You will receive notification via e-mail once proceedings are posted and available on the web.

OTHER INFORMATION

Conference Chair: Mr. Bob Rassa, Raytheon

Conference Technical Program Co-Chairs: Dr. Thomas Christian, USAF, Technical Advisor, Systems Engineering, USAF AFMC/ASC; Mr. Steve Henry, Northrop Grumman

Plenary: Ms. Kristen Baldwin, OSD/SSE

Systems Engineering Effectiveness: Mr. Al Brown, Boeing; Ms. Sharon Vannucci, OSD

Logistics Supportability & Sustainment: Mr. Joel Moorvich, Raytheon

Involving Test & Evaluation in SE: John Lohse, Raytheon; Darlene Mosser-Kerner, OSD

Program Management: Mr. Hal Wilson, Northrop Grumman

Modeling & Simulation: Mr. Jim Hollenbach, SIMSTRAT, Inc.; Mr. Gary Belie, Lockheed Martin

Net Centric Operations: Mr. Jack Zavin, ASD(NII); Dr. Rich Eilers, IBM

Best Practices & Standardization: To be announced

Software: Mr. Paul Croll, CSC

Education & Training in SE: Mr. Mike Ucchino, USAF/AFIT/CSE

Enterprise Health Management: Mr. Dennis Hecht, Boeing; Mr. Howard Savage, Savage Consulting

System Safety, ESOH & HIS: Mr. Sherman Forbes, USAF; Ms. Paige Ripani, Booz Allen Hamilton

Requirements Development & Management: Mr. Bob Scheurer, Boeing

Architecture: Mr. Joe Kuncel, Northrop Grumman; Mr. John Palmer, Boeing

Practical SE Experience: To be Announced

CONFERENCE AGENDA

SUNDAY, OCTOBER 19, 2008

5:00 pm - 7:00 pm	Registration for Tutorials and General Conference (Tutorials are an additional $250.00 registration fee)

MONDAY, OCTOBER 20, 2008

7:00 am - 5:00 pm	Registration
7:00 am - 8:00 am	Continental Breakfast for Tutorial Attendees ONLY (Tutorials are an additional $250.00 registration fee)
8:00 am - 12:00 pm	Tutorial Tracks (Please refer to the following pages for Tutorial Schedule)
12:00 pm - 1:00 pm	Lunch for Tutorial Attendees ONLY
1:00 pm - 5:00 pm	Tutorial Tracks Continued
5:00 pm - 6:00 pm	Reception in the Regency Annex (Open to All Participants)

TUESDAY, OCTOBER 21, 2008

7:15 am - 5:00 pm	Registration
7:15 am - 8:15 am	Continental Breakfast
8:15 am - 8:30 am	Introductions & Opening Remarks: Mr. Sam Campagna, *Director, Operations, NDIA*; Mr. Bob Rassa, *Director, Systems Supportability, Raytheon*; *Chair, Systems Engineering Division*
8:30 am - 9:45 am	Keynote Addresses: HON Charles McQueary, *Director, Operational Test & Evaluation;* Gen Les Lyles, USAF (Ret)
9:45 am - 10:15 am	Break
10:15 am - 12:15 pm	Plenary Session: Executive Panel Moderator: Ms. Kristin Baldwin, *Deputy Director, Software Engineering & System Assurance* Panelists: Mr. Terry Jaggers, *Director, SAF/AQR (Science, Technology & Engineering)* Mr. Carl Siel, *Chief Systems Engineer*; *ASN(RDA)CHENG* Mr. Kelly Miller, *Director, Systems Engineering, NSA* Mr. Ross Guckert, *Assistant Deputy, Acquisition & Systems Integration ASA(ALT)*
12:15 pm - 1:30 pm	Luncheon with Speaker in the Regatta Pavilion Dr. Ronald Jost, *Deputy Assistant Secretary of Defense, C3, Space & Spectrum*
1:30 pm - 5:15 pm	Concurrent Sessions (Please refer to the following pages for session schedule)
5:15 pm - 6:30 pm	Reception in the Regatta Pavilion

CONFERENCE AGENDA, CONTINUED

WEDNESDAY, OCTOBER 22, 2008

7:00 am - 5:00 pm	Registration
7:00 am - 8:00 am	Continental Breakfast
8:00 am - 12:00 pm	Concurrent Sessions (Please refer to the following pages for session schedule)
12:00 pm - 1:30 pm	Luncheon with Speaker in the Regatta Pavilion Ms. Shannon Cunniff, *Director, Emerging Containments: Office of Under Secretary of Defense (Installations and Environment)*
1:30 pm - 5:15 pm	Concurrent Sessions (Please refer to the following pages for session schedule)

THURSDAY, OCTOBER 23, 2008

7:00 am - 3:00 pm	Registration
7:00 am - 8:00 am	Continental Breakfast
8:00 am - 12:00 pm	Concurrent Sessions (Please refer to the following pages for session schedule)
12:00 pm - 1:00 pm	Awards Lunch in the Regatta Pavilion
1:00 pm - 3:00 pm	Concurrent Sessions (Please refer to the following pages for session schedule)
3:00 pm	Conference Adjourns

Tutorial Sessions - Monday, October 20, 2008

	8:00 am - 9:45 am	10:15 am - 11:45 am	1:00 pm - 2:45 pm	3:15 pm - 5:00 pm
Bayview III	7025 - Introduction to SysML & Object Oriented Systems Engineering Methodology (OOSEM) (Part 1) *Dr. Abe Meilich, Lockheed Martin*	7025 - Introduction to SysML & Object Oriented Systems Engineering Methodology (OOSEM) (Part 2) *Dr. Abe Meilich, Lockheed Martin*	7025 - Introduction to SysML & Object Oriented Systems Engineering Methodology (OOSEM) (Part 3) *Dr. Abe Meilich, Lockheed Martin*	7025 - Introduction to SysML & Object Oriented Systems Engineering Methodology (OOSEM) (Part 4) *Dr. Abe Meilich, Lockheed Martin*
Bayview II	7033 - ULCM (Unified Life Cycle Modeling) for Defense Acquisition (Part 1) *Dr. Peter Hantos, The Aerospace Corporation*	7033 - ULCM (Unified Life Cycle Modeling) for Defense Acquisition (Part 2) *Dr. Peter Hantos, The Aerospace Corporation*	7044 - A Model-Based Systems Engineering Roadmap for Developing DoDAF Architectures (Part 1) *Mr. Tim Tritsch, Vitech Corporation*	7044 - A Model-Based Systems Engineering Roadmap for Developing DoDAF Architectures (Part 2) *Mr. Tim Tritsch Vitech Corporation*
Bayview I	6987 - Development and Configuration Mangement of Requirements (Part 1) *Mr. Al Florence, The MITRE Corporation*	6987 - Development and Configuration Mangement of Requirements (Part 2) *Mr. Al Florence, The MITRE Corporation*	7050 - "How to Define Practical Metrics Using NASA JPL as an Example" (Part 1) *Mr. Tim Olson, Lean Solutions Institute, Inc.*	7050 - "How to Define Practical Metrics Using NASA JPL as an Example" (Part 2) *Mr. Tim Olson, Lean Solutions Institute, Inc.*
Mission I	7071 - Introduction to the Capability Test Methodology: Methods and Processes for Testing in a Joint Environment (Part 1) *Lt Col Jay R. Gendron, OSD/JTEM*	7071 - Introduction to the Capability Test Methodology: Methods and Processes for Testing in a Joint Environment *(Part 2)* *Lt Col Jay R. Gendron, OSD/JTEM*		
Mission II	7209 - Joint Mission Environment Test Capability (JMETC), Providing Efficiency and Cost Savings with a Distributed Test Infrastructure (Part 1) *Mr. Ryan Norman, JMETC*	7209 - Joint Mission Environment Test Capability (JMETC), Providing Efficiency and Cost Savings with a Distributed Test Infrastructure (Part 2) *Mr. Ryan Norman, JMETC*	7210- Engineering System of Systems (Part 1) *Mr. Soumya Simanta, Software Engineering Institute*	7210- Engineering System of Systems *(Part 2)* *Mr. Soumya Simanta, Software Engineering Institute*
Mission III	7294 - MFESA: The Method Framework for Engineering System Architectures (Part 1) *Mr. Donald G. Firesmith, Software Engineering Institute*	7294 - FMESA: The Method Framework for Engineering System Architectures (Part 2) *Mr. Donald G. Firesmith, Software Engineering Institute*	7366 - Systems Engineering Applications in Supporting the Joint Capabilities Integration and Development System (JCIDS) *Mr. Chris Ryder, Johns Hopkins University Applied Physics Laboratory*	7366 - Systems Engineering Applications in Supporting the Joint Capabilities Integration and Development System (JCIDS) *Mr. Chris Ryder, Johns Hopkins University Applied Physics Laboratory*
Palm I	6877 - Gap Analysis and Its Conceptual Foundations: Integrating Sound Management Methods with Systems Engineering Best Practices (Part 1) *Mr. Gary Langford, Naval Postgraduate School*	6877 - Gap Analysis and Its Conceptual Foundations: Integrating Sound Management Methods with Systems Engineering Best Practices (Part 2) *Mr. Gary Langford, Naval Postgraduate*	6877 - Gap Analysis and Its Conceptual Foundations: Integrating Sound Management Methods with Systems Engineering Best Practices (Part 3) *Mr. Gary Langford, Naval Postgraduate School*	6877 - Gap Analysis and Its Conceptual Foundations: Integrating Sound Management Methods with Systems Engineering Best Practices (Part 4) *Mr. Gary Langford, Naval Postgraduate School*
Palm II	6975 - Early Verification: The Road to Program Success (Part 1) *Mr. Stephen J. Scukanec, Northrop Grumman*	6975 - Early Verification: The Road to Program Success (Part 2) *Mr. Stephen J. Scukanec, Northrop Grumman*	6970 - Universal Architecture Description Framework (Part 1) *Mr. Jeffrey O. Grady, JOG System Engineering, Inc.*	6970 - Universal Architecture Description Framework (Part 2) *Mr. Jeffrey O. Grady, JOG System Engineering, Inc.*

Break

Buffet Lunch

Break

Tuesday, October 21, 2008

1:30 pm - 3:15 pm

Bayview III Systems Engineering Effectiveness Session 2C1	7099- DoD's Systems and Engineering Revitalization Efforts- An Update *Mr. Nicholas M. Torelli, OSD/ SSE/ED*	7475 - The Effectiveness of Systems Engineering on Federal (DoD) System Development Programs - Update 2008 *Mr. Ken Ptack*	7153- Systems Engineering Plan (SEP) and Systems Engineering Management Plan (SEMP) Unification *Mr. Chet Bracuto, OSD*
Bayview II Test & Evaluation in Systems Engineering Session 2C2	7100- Implemention of the 2007 Developmental Test & Evaluation Defense Science Board Results *Mr. Chris DiPetto, OUSD/SSR/*	7101 - Test and Evaluation Value Metrics at Acquisition Decision Points *Ms. Darlene Mosser-Kerner, OUSD/SSE/DTE*	6979 - Integration of Software Intensive Systems *Mr. Tom Wissink, Lockheed Martin*
Bayview I Program Management Session 2C3	7096 - New Acquisition Policy and Its Impact on Defense Systems Engineering *Ms. Sharon Vannucci, ODUSD/ SSE/ED*	6919- Improving the Quality of DoD Weapon Systems *Ms. Cheryl K. Andrew, U..S. Government Accountability Office*	7418 - DON Acquisition Reform and its Impact on CANES System Engineering *CDR Phil Turner, USN, APM, PMW 160*
Mission I System Safety- ESOH & HSI Session 2C4	6997 - Human Systems Integration and Model Based Systems Engineering *Dr. Abraham W. Meilich, Lockheed Martin*	7035 - The Special Operational Airworthiness Release (SOAR) Process, A Systems Engineering Approach *Dr. Thomas Christian, ASC/EN*	7084 - Human Reliability Analysis and the Advanced Man Portable Air Defense System: A Case Study *Mr. Christopher A. Brown, Naval Surface Warfare Center, Crane*
Mission II Modeling & Simulation Session 2C5	7172 - Execution of the Acquisition M&S Master Plan- A Progress Report *Mr. James W. Hollenbach, Simulation Strategies, Inc.*	7440 - Synchronizing Modeling and Simulation Plans Across Navy Acquisition *Dr. Ivar Oswalt, VisiTech*	7085 - Modeling and Simulation Resource Reuse Business Model *Mr. Dennis P. Shea, Center For Naval Analyses*
Mission III Net Centric Operations Session 2C6	7461-Network Centric Engineering use of the NCOIC (Network Centric Operations Industry Consortium) Processes and Tools in a Logistics Example *Mr. Thomas M. Dlugolecki, SenseResponder LLC*	7128 - Changing the Value Equation in Engineering and Acquisition to Align Systems of Systems with Dynamic Mission Needs *Mr. Philip J. Boxer, Software Engineering Institute*	7341 - Crucial Factors in the Design of Net-Centric Systems *Dr. David Hernandez, Tactronics Holdings, LLC*
Palm I Requirements Development & Management Session 2C7	7444- Acquisitions Requirements of Capabilities in a Netcentric Enterprise - Creating a Capabilities Engineering Framework *Mr.Jack M. Van Kirk, SFAE-AV-AS*	7138- Implications of Capability-based Planning on Requirements Engineering *Mr. Leonard Sadauskas, DoD CIO, IT Investment & Commercial Policy*	7191- System Concept of Operations: Standards, Practices, and Reality *Ms. Nicole Roberts, L-3 Communications*
Palm II Software Session 2C8 Panel	7137 - DoD Software Engineering and System Assurance *Moderator: Ms. Kristen J. Baldwin, Systems and Software Engineering*	7139 - A Framework for Integrating Systems and Software Engineering *Dr. Richard Turner, Stevens Institute of Technology*	7041 - Software Process Improvement for Acquisition of Naval Software Intensive Systems *Mr. Carl Siel, U.S. Navy, ASN (RDA) CHENG*

Break in the Regency Annex

3:30 pm - 5:15 pm

Bayview III Systems Engineering Effectiveness Session 2D1	7042 - Establishing a Departmental-Level Systems-of-Systems Engineering Managemement Construct for the Department of Navy *Mr. Carl Siel, Asst. Secretary of the Navy/RDA*	7089 - Systems of Systems: Update on the DoD Systems of Systems SE Guide and Future Direction *Dr. Judith S. Dahmann, The MITRE Corporation*	*6986-* Technology Readiness Assessments for Systems of Systems *Dr. Jay Mandelbaum, Institute for Defense Analyses*	
Bayview II Test & Evaluation in Systems Engineering Session 2D2	7103- New Test and Evaluation Master Plan Guidance *Ms. Darlene S. Mosser-Kerner, OUSD/SSE/DTE*	6996 - Modeling & Simulation in the Test & Evaluation Master Plan *Mr. Michael R. Truelove, SAIC*	*7290-* Mission - Based Test and Evaluation Strategy: An Interagency Developed Process to Link Mission Capability with System Functional Requirements *Mr. Christopher M. Wilcox, U.S. Army Test and Evaluation Command*	
Bayview I Program Management Session 2D3	7002 - Systems Engineering Re-vitalization at the Defense Contract Managerment Agency *Mr.Lawrence F. Cianciolo, Defense Contract Management Agency*	7223 - An Air Force S&T Directorate's View on Applying Systems Engineering Principles to its Progrmas *Dr. James C. Malas, Air Force Material Command++*	7320 - Air Force Initiative - High Confidence Technology Transition Planning Through the Use of Stage-Gate *Dr. Claudia V. Kropas-Hughes, Air Force Material Command*	
Mission I System Safety- ESOH & HSI Session 2D4	7092 - Systems Engineering to Ensure Aircraft Airworthiness *Mr. James C. Miller, USAF*	7161 - ESOH in Acquisition - OSD Expectations for Implementing DoD 5000.02 *Ms. Patricia Huheey, ODUSD/I&E*	ESOH Challenges in Pre-commissioning a Naval Aircraft Carrier *Dr. Doug Parrish, Booz Allen Hamilton*	
Mission II Modeling & Simulation Session 2D5	7467- Systems Engineering Across rmy Modeling and Simulation *LTC Favio Lopez,*	7404 - Joint Rapid Scenario Generation Systems Engineering Vision *Mr. Ralph O'Connell, JFCOM*	7175 - LVC Architecture Raodmap - A Path Forward for Distributed Simulation *Mr. James W. Hollenbach, Simulation Strategies, Inc*	
Mission III Net Centric Operations Session 2D6	7414 - An IT Government Solution *Mr. Paul Byrnes, Integrated System Diagnostics, Inc.*	7016 - A Service-Oriented Architecture (SOA) Business Model for DoD *Dr. Steven H. Dam, Systems and Proposal Engineering Company*	7330 - Creating a Systems Architecture for an SOA-based IT System as Part of a Systems Engineering Process *Dr. Robert Ellinger, Northrop Grumman*	
Palm I Requirements Development & Management Session 2D7	7451 - Why Design for Testability Earlier? *Mr. Bruce R. Bardell, BAE Systems*	7066 - Two-Step Methodology to Reduce Software Requirements Defects *Mr. Robert J. Kosman, Naval Undersea Warfare Center Division Newport*	6998 - Quantifying the Impact of System Engineering Changes *Dr. Mark Blckburn, Systems and Software Consortium*	7399- The Challenges in Requirements Decomposition *Mrs. Eliza Siu, Northrop Grumman Corporation*
Palm II Software Session 2D8	7156- How Future Trends in Systems and Software Engineering Bode Well for Enabling Inproved Acquisition and Performance of Defense Systems *Dr. Kenneth E. Nidiffer, Software Engineering Institute*	7239 - Systems and Software Design Principles for Large-Scale Mision-Critical Embedded Products from Aerospace and Financial Problem Domains *Dr. Richard W. Selby, Northrop Grumman Space Technology*	7119 - Architecting Systems to Meet Expectations- Managing Quality Characteristics to Reduce Risk *Mr.Paul Croll, Computer Sciences Corporation*	

Wednesday, October 22, 2008

8:00 am - 9:45 am

Bayview III Systems Engineering Effectiveness Session 3A1	7405 - Systems Engineering: Application in Complex Organiztions *Mr. Kevin Roney, Booz Allen Hamilton*	7065 - Establishing a Systems Engineering Center of Excellence in PEO Ground Combat Systems *Mr. Michael H. Phillips, Jacobs*	7423- Systems Engineering Capability Development *Mr. Edward Andres, TARDEC*
Bayview II Test & Evaluation in Systems Engineering Session 3A2	6937 - Systems Engineering for Testing in a Joint Mission Environment *Mr. Earl Reyes, OSD/JTEM*	7209- Joint Mission Environment Test Capability (JMETC) *Mr. Chip Ferguson, JMETC*	7351 - End to End System Test Architecture *Dr. Masuma Ahmed, Lockheed Martin*
Bayview I Program Management Session 3A3	7438 - The Incremental Commitment Model and Competitive Prototyping *Dr. Barry Boehm, USC*	7116 - Exploration of Customer Capability Gaps Through Experimentation *Mr. Michael E. Groff, Lockheed Martin*	7070 - An Integrated, Knowledge-based Approach to Developing Weapon System Business Cases could Improve Acquisition Outcomes *Mr. Travis J. Masters, U.S. Government Accountability Office*
Mission I Program Management Session 3A4	7721- Systemic Analysis and Developing System Issues *Mr. Pete Nolte, OSD*	7720- Systemic Root Cause Task Group Results *Mr. Dave Castellano, US Army RDECOM-ARDEC*	System Root Cause Task Group Recommendations Implementation *Mr. Nicholas M. Torelli, OSD/SSE/ED*
Mission II Modeling & Simulation Session 3A5	7347 - Deployment of SysML in Tools and Architectures: an Industry Perspective *Mr. Rick Steiner, Raytheon*	7073 - Standardized Documentation for Verification, Validation, and Accreditation — An Update to the Systems Engineering Community *Mr. Kevin Charlow, Space and Warfare Systems Center-Charleston*	7052 - Architecture and Model Based Systems Engineering for Lean Results *Mr. Tim Olson, Lean Solutions Institute, Inc.*
Mission III Net Centric Operations Session 3A6	6954 - SOAs and Net-Centric Warfare-Similarities, Differences and Conflicts *Mr. James A. Mazzei, The Aerospace Corporation*	7477 - Service Oriented Architecture - The good, Bad, and Ugly of the Word's Largest SOA Attempt (DoD NECC) *Mr. Allen L. Mink, SRA International*	7374 - Capitalizing in Migrating Web Service Environments *Mr. Brian Eleazer, South Carolina Research Authoirty*
Palm I Requirements Development & Management Session 3A7	7047-Stop the Pain: Take Some Requirements Definition and Management for Project Success *Mr. Scott Derby, AVISTA Incorporated*	7068-Daily Challenges in Requirements Engineering *Mr. Frank J. Salvatore, High Performance Technologies, Inc.*	7593- Correlation of Types of Requirements to Verification Methods *Dr. William G. Bail, The MITRE Corporation*
Palm II Software Session 3A8	*7114*- Building the Next Generation of Software Engineers - Benchmarking Graduate Education *Dr. Arthur Pyster, Stevens Institute of Technology*	7135 - Improving Work Breakdown Structure (WBS) Guidance for Weapons Systems with Substantial Software Content *Mr. Christopher Miller, OUSD/SE/SSA*	7232 - ASN (RD&A) Initiatives to Improve Integration of Software Engineering into Defense Acquisition Related Systems Engineering *Dr. John F. Miller, The MITRE Coporation*

Break in the Regency Annex

10:15 am - 12:00 pm

Bayview III Systems Engineering Effectiveness Session 3B1	7436 -A Process Decision Table for Integrated Systems and Software Engineering *Dr. Barry Boehm, USC*	7190 - A Tool to Enhance Systems Engineering Planning *Ms. Sue O'Brien, The University of Alabama in Huntsville*	6945- The Role of Chaos and Complexity in Systems Development *Dr. Robert J. Monson, Lockheed Martin*
Bayview II Test & Evaluation in Systems Engineering Session 3B2	7011 - Implementing a Methodology to Incorporate Operational Realism in CONOPS & Testing *Mr. William R. Lyders, ASSETT, Inc.*	6928 - The Role of T&E in the Requirements Process for System of Systems *Mr. Walter C. Reel, Naval Surface Warfare Center - Dahlgren*	7372 - Integrated T&E Process and Tools in the Joint High Speed Vessel Program *Mr. Stephen F. Randolph, Alion Science and Technology*
Bayview I Program Management Session 3B3	7340 - "Integrated Management Operating Model (iMOM)", An E-2D Advanced Hawkeye SD&D Program Case Study *Mr. Douglas J. Shaffer, Northrop Grumman*	7269- Closing the Gap Between Systems Engineering and Project Management *Mr. Robert W. Ferguson, Software Engineering Institute*	7349- The Death of Rish Management *Mr. Michael P. Gaydar, Naval Air Systems Command*
Mission I System Safety-ESOH & HSI Session 3B4	7211 - Defining a Generic Hazard Tracking Database for Future Programs *Mr. Jeff Walker, Booz Allen Hamilton*	7215 - DoD Energy Demand: Addressing the Unintended Consequences *Mr. Thomas Morehouse, Booz Allen Hamilton*	7258 - Joint Service Safety Testing Study *Ms. Paige Ripani, Booz Allen Hamilton*
Mission II Modeling & Simulation Session 3B5	7026 - Rapid Assessment Approach Using Commander's Intent to Identify Promising Force Structure Architectures for System Trade Studies *Mr. David A. Blancett, Northrup Grumman*	7082 - Domain Modeling: A Roadmap to Convergence *Mr. Nathaniel C. Horner, The Johns Hopkins University Applied Physics Laboratory*	7364 - Predictive Modeling: Principles and Practice *Dr. Rick Hefner, Northrop Grumman*
Mission III Net Centric Operations Session 3B6	6972 - A System Engineering Approach to Develop a Service-Oriented Perspective *Mr. Rob Byrd, SI International*	7122 - Department of Defense Architecture Framework; Delivering Architectures to the World *Mr. Walt Okon, OSD/NII/A&I*	7413 - Systems Engineering Approach for Assessing a Warfighter's Cognitive Performance *Mr. James Buxton, U.S. Army*
Palm I Requirements Development & Management Session 3B7	7548- Mission Analysis and its Impact on SE Fundamentals *Mr. John T. McDonald, Raytheon*	7055- How to Write 'Lean and Mean' Requirements *Mr. Tim Olson, Lean Solutions Institute, Inc.*	
Palm II Software Session 3B8	7198- Software Reuse Readiness Levels: A Framework for Decision Making *Mr. Steven Wong, Northrop Grumman*	7195 - Counting Software Size: Is it as easy as Busying a Gallon of Gas? *Ms. Lori Vaughan. Northrop Grumman*	

Wednesday, October 22, 2008

1:30 pm - 3:00 pm

Bayview III Systems Engineering Effectiveness Session 3C1	6878 - Reduction of Total Ownership Costs (R-TOC) and Value Engineering (VE) in Defense System's Life Cycle *Mr. Chet Bracuto, OSD*	7007 - Using Performance-Based Earned Value(R) for Measuring Systems Engineering Effectiveness *Dr. Ronald S. Carson, Boeing*	7017-KBAD- A Cost-Effective Way to Conduct Design and Analysis *Dr. Steven Dam, Systems and Proposal Engineering Company*
Bayview II Best Practices & Standardization Session 3C2	6874 - Why CMMI Isn't Enough *Ms. Anita Carleton, Software Engineering Institute*	6888 - Value Engineering: Enhance DMSMS Solutions *Dr. Jay Mandelbaum, Institute for Defense Analysis*	7761- Applying Business Process Modeling to Develop Systems Engineering Guidance for New DoD Acquisition Regulations *Dr. Judith Dahmann, OSD*
Bayview I Program Management Session 3C3	7095 - Evaluating Complex System Development Maturity-The Creation and Implementation of a System Readiness Level for Defense Acquisition Programs *Mr. Eric Forbes, Northrop Grumman*	7023- Program Management of Concurrently Developed Complex Systems - Lessons Learned *Mr. Alexander Polack, The Aerospace Corporation*	7344 - Complex System Development Program Assessments and Support: A Forensics Perspective *Mr. Dinesh Verma, Stevens Institute of Technology*
Mission I System Safety-ESOH & HSI Session 3C4	7378- A Culture Shift–Strengthening the "Jointness" in Weapon Safety Reviews *Ms. Mary Ellen Caro, Naval Ordnance Safety and Security Activity*	Update on Revisions to MIL-STD 882 *Mr. Bob Smith, Booz Allen Hamilton*	Safety Aspects of Weapon Deisng - A Review of Common Sesign Flaws *Dr. Doug Parrish, Booze Allen Hamilton*
Mission II Modeling & Simulation Session 3C5	7144 - Systems Engineering Analysis of Threat Reduction Systems using a Collaborative Constructive Simulation Environment *Dr. James E. Coolahan, JohnsHopkins University Applied Physics Laboratory*	7335 - Model-Based Specification for Legacy Networks *Mr. Robert M. Kane, SAIC*	7393 - Systems Engineering Approach to Total Vehicle Design and Integration *Mr. Walter J. Budd, BAE Systems*
Mission III Net Centric Operations Session 3C6	7105 - Building Net-Ready Information Interoperoperability Performance Indicator Widgets For DoDAF 2.0 Dashboards *Mr. William B. Anderson, Software Engineering Institute*	7088 - The Benefit of Collaboration: Integration between the DoDAF and Systems Engineering Communities *Mr. Tim Tritsch, Vitech Corporation*	7337 - Modeling Cognition in the DoD Architecture Framework for Early Concept Development *Dr. John M. Colombi, Air Force Institute of Technology*
Palm I Logistics, Supportability & Sustainment Session 3C7	7180-A Continuous Process View of Systems Engineering for the Sustainment Phase *Mr. Paul d. Ratke, OC - ALC*	7183- Progress Toward the Development of a Reliability Investment Cost Estimating Relationship *Mr. Andy Long, LMI*	7235- Future Combat Systems (FCS) Logistics Systems *Ms. Soo R. Yoon, Boeing*
Pam II Architecture Session 3C8	7081 - Littoral Combat Ship (LCS) Mission Modules Integration: An Open Architecture Approach *Mr. Cecil Whitfield, NAVSEA SYSCOM*	7136- Architecture Trade-off Analysis Method® (ATAM®) for System Architecture Evaluation *Mr. Michael Gagliardi, Software Engineering Institute*	7243 - Method for Aligning Architecture Frameworks and System Requirements *Mr. Richard L. Eilers, IBM*

Break in Display Area

3:30 pm - 5:15 pm

Bayview III Systems Engineering Effectiveness Session 3D1	7030 - Defining 100 Best Practices for Systems Engineering *Mr. Ian Talbot, AAC/EN*	6886 - Air Force Systems Engineer Assessment Model (AF SEAM) *Mr. Randall Bullard, AF Center for Systems Engineering*	7093 - Systems Engineering Performance Measures *Mr. James C. Miller, OC-ALC*	7204 - Advancing Systems Engineering Practice within the Department of Defense: Overview of DoD's Newest University Affiliated Research Center *Ms. Sharon Vannucci, ODUSD/SSE/ED*
Bayview II Best Practices & Standardization Session 3D2	7003 - How to Specify Applicable Documents *Mr. James R. van Gaasbeek, Northrop Grumman*	7014 - Systems Engineering in the Science and Technology Environment – Best Practices and other Lessons Learned from the Air Force Research Laboratory *Mr. William P. Doyle, General Dynamics*		*7031*-Lessons Learned Doing Systems Engineering Assessments on the Governenment *Mr. Ian Talbot, AAC/EN*
Bayview I Program Management Session 3D3	7385 - Enabling More Effective Weapons Systems Acquisition and Sustainment through an Enterprise Approach *Mr. John Stewart, Oracle*	7462 - Applying the Tenets of Military Planning and Execution to Project and Systems Engineering Management *Mr. Philip Lindeman, SAIC*		7479 - 360 Degree View of the Technology, Strategy and Business *Mr. Min-Gu Lee, Lockheed Martin*
Mission I System Safety - ESOH & HSI Session 3D4	7442 - What Systems Engineers Need to Know About System Environmental Noise *Ms. Lynn Engelman, USAF*	7515 - The Intersection of System Safety, Lean Engineering and Ergonomics *Dr. Lee Ostrom, GDIT*		7216 - Acquisition and Technology Programs Task Force Funded Initiatives *Ms. Lucy Rodriguez, Booz Allen Hamilton*
Mission II Modeling & Simulation Session 3D5	7228 - Total System Modeling: A System Engineering Application of the Higraph Formalism *Mr. Kevin Fogarty, SAIC*	7077 - Near-field RCS and Fuze Modeling and Simulation *Mr. David Hall, Survice Engineering Company*		7174 - Virtual Battlespace Center for Systems Engineering *Mr. James Hollenbach, Simulation Strategies, Inc.*
Mission III Net Centric Operations Session 3D6	7046 - Cost-Effective Survivable Network Design Framework *Dr. Dennis M. Moen, Lockheed Martin*	7280- Multiple Information Agents for Real-Time, Dynamic Situational Awareness: Architectures for Real-Time WArfighter Support *Dr. James A. Crowder, Raytheon*		7377 - The Joint Surface Warfare JCTD: Maturing Weapon Data Link Concepts into Operational Capability *Mr. Robert K. Finlayson, Johns Hopkins University, Applied Physics Laboratory*
Palm I Logistics, Supportability & Sustainment Session 3D7	7390 - Systems Engineering of Deployed Systems *Mr. Robert K. Finlayson, Johns Hopkins University, Applied Physics Laboratory*	7383 - Extending Enterprise Systems for an Integrated Logistics Management Environment *Mr. Mike Korzenowski, General Dynamics Land Systems*		7455- The Seven Affordability Sins of Logistics System Integration *Dr. Thomas E. Herald, Lockheed Martin*
Palm II Architecture Session 3D8	7273 - US Air Force Global Persistent Attack Architecture, Process, & Risk Analysis *Maj Jeffrey D. Havlicek, Air Force Center for Systems Engineering*	7109 - Applying Open Architecture Concepts to Mission and Ship Systems *Mr. John M. Green, Naval Postgraduate School*	7285 - Universal Architecture Description Framework *Mr. Jeffrey O. Grady, JOG System Engineering*	7428- Adaptable Architecture for System of Systems *Mr. Bruce Schneider, Applied Physics Lab Johns Hopkins University*

Thursday, October 23, 2008

8:00 am - 9:45 am

Bayview III Systems Engineering Effectiveness Session 4A1	7697 - Enahancing Systems Engineering in the Department of Defense *Mr. Ceasar Sharper, ODUSD /SSE*	7186 - Air Force Implementation of NRC "Pre-A SE" Study Committee Recommendations *Mr. Jeff Loren, SAF/AQRE*	7281-A Holistic Approach to System Development *Mr. Douglas T. Wong, NASA Johnson Space Center*
Bayview II Best Practices & Standardization Session 4A2	7076 - Systems and Software Life Cycle Process Standards: Foundation for Integrated Systems and Software Engineering *Ms. Teresa Doran, TECHSOFT*	7111 - Improving Process Utilizations with Tools *Mr. Frank J. Salvatore, High Performance Technologies, Inc.*	7179 - Integration of Systems and Software Engineering: Implications from Standards and Models Applied to DoDs' Acquisition Programs *Mr. Donald Gantzer, ODUSD/SSE*
Bayview I Program Management Session 4A3	7113 - Lessons Learned in EVM Control Account Analysis and Design *Mr. Thomas R. Cowles, Raytheon Space and Airborn Systems*	7158 - Achieving Success for Program Managers: Integrating Work Breakdown Structure, Schedule, and Work Packages *Mr. Philip J. Simpkins, Vitech Corporation*	7010 - Integrating Systems Engineering with Earned Value Management *Mr. Paul Solomon, Performance-Based Earned Value*
Mission I Practical Systems Engineering Experience Session 4A4	6881 - A Systems Engineering Approach For Balancing Powered Trailer Requirements *Mr. Dana F. Peterson, DRS-SSI*	6984 - Evaluation of an Immersive Virtual Collaboration Environment for System Development *Mr. Redge Bartholomeu, Rockwell Collins*	7028 - Semi Autonomous Unmanned Aerial Systems with Collaborating Behaviors *MAJ Edward B. Teague, United States Military Academy*
Mission II Education & Training Session 4A5	6944 - Establishing the Need for Functional Analysis in Systems Development *Dr. Robert J. Monson, Lockheed Martin*	6946 - Improving Systems Engineering Execution and Knowledge Management *Mr. Steven C. Head, Boeing*	7034 - Modeling and Simulation Education for the Acquisition/T&E Community *Dr. David Olwell, Naval Postgraduate School*
Mission III Enterprise Health Management Session 4A6	7580 - Engineering Solutions for Fleet Readiness Centers utilizing an Avionics Rapid Action Team Innovation Cell *Mr. Bill Birurakis, PIDESO*	7447 - Prognostics as an Approach to Improve Mission Readiness and Availability *Mr. Sony Matheu, Center for Advance Life Cycle Engineering*	7613 - Prognostics Based Health Assessment System Approaches *Mr. Ronald D. Newman, VSE Corporation*
Palm I Logistics, Supportability & Sustainment Session 4A7	7481- Defining the Prognostics Health Management Enterprise Architecture *Mr. Ethan Xu, Raytheon*	7131- Sustaining Systems Engineering - The A-10 Example *Dr. David R. Jacques, Air Force Institute of Technology*	7188- Reliability Centered Maintenance Applied to the CH-47 Chinook Helicopter– Universal Principles that go beyond Equipment Maintenance *Ms. Nancy Regan, The Force, Inc.*
Palm II Architecture Session 4A8	7401- Enabling Systems Engineering with an Integrated Approach to Knowledge Discovery and Architecture Framework *Mr. Michael R. Collins, Advantage Development, Inc.*	7453 - Open Architecture in Electronics Systems *Mr. Bruce R. Bardell, BAE Systems*	7069 - The Value of Architecture *Mr. Frank J. Salvatore, High Performance Technology, Inc.*

Break in the Regency Annex

10:15 am - 12:00 pm

Bayview III Systems Engineering Effectiveness Session 4B1	7004 - Operational Concepts *Mr. James R. van Gaasbeek, Northrop Grumman*	7296 - The Dangers of Oversimplifying Availability *Dr. Jeffrey M. Harris, General Dynamics*	7214-Developing and Maintaining the Technical Baseline *Mr. Michael G. Ucchino, Air Force Institute of Technology*
Bayview II Best Practices & Standardization Session 4B2	7325 - Applying CMMI High Maturity Practices and Leveraging LEAN Six Sigma *Mrs. Ann Hennon, BAE Systems*	7400 - Systems Engineering Initiative – How do you Implement a New Lessons Learned Process and Tool on a Legacy Program? *Mr. Ray A. Polo, Boeing*	7422 - NDIA CMMI Working Group: Status and Plans *Mr. Geoff Draper, Harris Corporation*
Bayview I Program Management Session 4B3	7363 - Integrated Risk and Opportunity Management *Ms. Audrey Dorofee, Software Engineering Institute*	7459 - Multi-Factor Risk Management *Ms. Laura West, BAE Systems*	7255- Integrated Change Control for the Concurrently Developed Complex Systems – Lessons Learned *Mr. Alexander J. Polack, The Aerospace Corporation*
Mission I Practical Systems Engineering Experience Session 4B4	7063 - Product Platforms in Support of Rapid Response to DOD In-Theatre Force Protection Needs *Dr. Steven B. Shooter, Bucknell University*	7102 - Reengineering Electronic Warefare: Shifting From Platform - To Capability - Centric Engineering *Mr. William B. Anderson, Software Engineering Institute*	7278 - Integrating Metics with Qualitative Temporal Reasoning for Constraint-Based Expert Systems *Dr. James A. Crowder, Raytheon*
Mission II Education & Training Session 4B5	7094 - Development and Validation of a Systems Engineering Competency Model *Dr. Don Gelosh, SAIC*	7098 - Accelerate Performance Improvements: Systems Engineering Skills Competency Analysis and Training Program Development *Mr. Steven A. Diebold, General Dynamics,*	7130 - Concept Definiti- A Historical Perspective *Dr. David R. Jacques, Air Force Institute of Technology*
Mission III Enterprise Health Management Session 4B6	7520 - NDIA ID Electronic Prognostics (E-Prog) Task Follow-on Study to Quantify Weapon System Benefits *Mr. Paul Howard, Paul L. Howard Enterprises*	7597 - Enterprise Health Management Emerging Technology Transition Enabling Plan *Mr. Chris H. Reisig, Boeing*	
Palm I Logistics, Supportability & Sustainment Session 4B7	7207- Sustainment Engineering versus Systems Engineering, Is There A Difference? *Ms. Karen B. Bausman, AF Center for Systems Engineering*	7064- Reliability Growth Analysis of Mobile Gun System during PVT *Dr. Dmitry Tananko, GDLS*	
Palm II Architecture Session 4B8	7365 - Enabling the Successful Transition from Architecture to Concept Design *Mr. Chris Ryder, Johns Hopkins University Applied Physics Laboratory*	7079 - The Benefits of Synergizing Naval Open Architecture Practices and Principles with Systems Engineering Processes *Mr. Mike Dettman, PEO C4I - NAVSEA*	7029 - Concurrent Increment Sequencing and Synchronization with Design Structure Matrices in Software-Intensive System Development *Dr. Peter Hantos, The Aerospace Coporation*

Thursday, October 23, 2008

1:30 pm - 3:00 pm

Bayview III Systems Engineering Effectiveness Session 4C1	7289 - Process Tailoring Patterns and Frameworks for Accelerating Systems Engineering Processes *Mr. Larry J. Earnest, Northrop Grumman*		7054 - Using Lean Principles and Process Models to Achieve Measurable Results *Mr. Tim Olson, Lean Solutions Institute, Inc.*	7265- Rocket Motor Development Cycle Time - Business Process Review *Mr. Jose Gonzalez, OUSD/PSA/ LW&M*
Bayview II Best Practices & Standardization Session 4C2	7441 - Process Enrichment Boot Camp - An Intensive Introduction to a Generic, Enterprise-wide, Strategic Communication and Continuous Improvement Methodology *Mr. Victor Elias, High Performance Technologies Inc.*		7446- Making Lessons Learned Come Alive and be Practical *Mr. Forest Shull, Fraunhofer Center Maryland*	
Bayview I Program Management Session 4C3	7067- Estimating Systems Engineering Level Of Effort *Mr. Frank Salvatore, High Performance Technologies, Inc.*		7189- The Integrated Natural Environment Authoritative Representation Process (INEARP) and Beyond *Maj James Everitt, Air & Space Natural Environment M&S Executive Agent*	
Mission I Practical SE Experience Session 4C4	7417 - VIRGINIA (SSN-774) Class Systems Engineering to Reduce Total Ownership Cost *Mr. Steve Lose, Naval Sea Systems Command*	7463 - The C-17 PIO Team *Mr. David Murray, Boeing*	7497- Accuracy Control Tools, Technology, and Processes used for Addressing Hull Fairness *Mr. Stephan H. Hankins, Northrop Grumman*	
Mission II Education & Training Session 4C5	7308 - PeaceKeeper Intercontinental Ballistic Missile Systems Engineering Case Study *Mr. Charles M. Garland, Air Force Center for Systems Engineering*		7474 - CAPTURE of Critical Engineering Skills and Knowledge *Mrs. Ann Hennon, BAE Systems,*	

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- Information Systems & Global Services: Information Systems, Global Services, and Mission Solutions.

ADDITIONAL AUTHORS

Track	Abstract	Paper Title	Author
1A1, 1C1	7025	Introduction to SysML & Object Oriented Systems Engineering Methodology (OOSEM)	Dr. Abe Meilich
1A2	7033	ULCM (Unified Life Cycle Modeling) for Defense Acquisition	Dr. Peter Hantos
1A3	7050	How to Define Practical Metrics Using NASA JPL as an Example	Mr. Tim Olson Dr. Jairus Hihn
1A4	7071	Introduction to the Capability Test Methodology: Methods and Processes for Testing in a Joint Environment Tutorial	Lt Col Jay R. Gendron
1A5	7209	Joint Mission Environment Test Capability (JMETC),Providing efficiency and cost savings with a distributed test infrastructure	Mr. Chip Ferguson
1A6	7294	FMESA: The Method Framework for Engineering System Architectures	Mr. Donald G Firesmith
1A7, 1C7	6877	(TUTORIAL 8 HOURS) Gap Analysis and Its Conceptual Foundations: Integrating Sound Management Methods with Systems Engineering Best Practices	Mr. Gary Langford
1A8	6975	Early Verification: The Road to Program Success - A Tutorial	Mr. Stephen J Scukanec Mr. James R Vangaasbeek
1C2	7044	A Model-Based Systems Engineering Roadmap for Developing DoDAF Architectures	Mr. Tim Tritsch
1C3	6987	Development and Configuration Management of Requirements	Mr. Al Florence Dr. Bill Bail
1C5	7210	Engineering Systems of Systems	Mr. Soumya Simanta Ms. Grace Lewis Mr. Dennis Smith Pat Place Mr. Ed Morris
1C6	7366	Tutorial: Systems Engineering Applications in supporting the Joint Capabilities Integration and Development System (JCIDS)	Mr. Chris Ryder
1C8	6970	Universal Architecture Description Framework Tutorial	Mr. Jeffrey O Grady
2B8	7198	Software Reuse Readiness Levels: A Framework for Decision Making	Mr. Steven Wong Mr. Dean Caccavo
2C1	7099	DoD's Systems and Software Engineering Revitalization Efforts—An Update	Mr. Nicholas (Nic) M. Torelli, Jr.
2C1	7153	Systems Engineering Plan (SEP) and Systems Engineering Management Plan (SEMP) Unification	Mr Chet Bracuto Mr. Robert Scheurer
2C1	7475	The Effectiveness of Systems Engineering: on Federal (DoD) System Development Programs – Update 2008	Mr. Ken Ptack
2C2	7100	Implementation of the 2007 Developmental Test & Evaluation Defense Science Board Results	Mr. Chris DiPetto
2C2	7101	Test and Evaluation Value Metrics at Acquisition Decision Points	Ms. Darlene Mosser-Kerner Mr. William Eischens
2C2	6979	Integration of Software Intensive Systems	Mr. Tom Wissink
2C3	7418	DON Acquisition Reform and its Impact on CANES System Engineering	CDR Philip Turner Mr. Dennis Almazan Mr. Jose Davila
2C3	6919	Improving the Quality of DOD Weapon Systems	Ms. Cheryl K Andrew Mr. Michael J Sullivan
2C3	7096	New Acquisition Policy and Its Impact on Defense Systems Engineering	Ms. Sharon Vannucci

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2C4	7035	The Special Operational Airworthiness Release (SOAR) Process, A Systems Engineering Approach	Dr. Thomas F Christian Mr. Gary L. Bailey Mr. Al E Owens
2C4	7084	Human Reliability Analysis and the Advanced Man Portable Air Defense System: A Case Study	Mr. Christopher A Brown
2C5	7172	Execution of the Acquisition M&S Master Plan - A Progress Report	Mr. James W Hollenbach Mr. Michael R Truelove
2C5	7085	Modeling and Simulation Resource Reuse Business Model	Mr. Dennis P Shea
2C5	7440	Synchronizing Modeling and Simulation Plans Across Navy Acquisition	Dr. Ivar Oswalt Dr. Robert R Tyler
2C6	7461	Title of Abstract: Network Centric Engineering use of the NCOIC (Network Centric Operations Industry Consortium) Processes and Tools in a Logistics Example	Mr. Thomas M Dlugolecki Mr. John Yanosy Mr. Hans Polzer
2C6	7341	Crucial Factors In The Design Of Net-Centric Systems	Dr. David Hernandez
2C6	7128	Changing the value equation in engineering and acquisition to align systems of systems with dynamic mission needs	Mr. Philip J Boxer Ms. Suzanne Garcia Mr. William Anderson Mr. Patrick Kirwan
2C7	7444	Acquisition Requirements for Capabilities in a Netcentric Enterprise -- Creating a Capabilities Engineering Framework	Mr. Jack M Van Kirk Mr. Ira A Monarch
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2D1	7089	Systems of Systems: Update on the DoD Systems of Systems SE Guide and Future Direction	Dr. Judith s Dahmann
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2D5	7404	Joint Rapid Scenario Generation Systems Engineering Vision	Mr. Ralph O'Connell Mr. Warren Bizub Mr. Ken Goad Mr. Michael Winslow Ms. Leslie Winters
2D5	7467	Systems Engineering Across Army Modeling and Simulation	Mr. Van Sullivan LTC Favio Lopez
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2D6	7414	An IT Governance Solution	Mr. Paul Byrnes
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3A4	7721	Systemic Root Cause Analysis Leads to Acquisition Improvement Recommendations (Part 2)	Mr. Peter Nolte
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3C2	6888	Value Engineering: Enhance DMSMS Solutions	Dr. Jay Mandelbaum Dr. Danny L. Reed

3C2	6874	Why CMMI isn't enough	Mr. Timothy A Chick Mrs. Anita D Carleton
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3C5	7144	Systems Engineering Analysis of Threat Reduction Systems using a Collaborative Constructive Simulation Environment	Dr. James E. Coolahan Dr. Andrew C. K. Wiedlea Dr. Roger L. West Dr. Joseph G. Kovalchik
3C5	7335	Model-Based Specification for Legacy Networks	Mr. Robert M Kane Mr. Martin A Kane
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3C6	7088	The Benefit of Collaboration: Integration between the DoDAF and Systems Engineering Communities	Mr. Tim Tritsch
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3C7	7183	Progress Toward the Development of a Reliability Investment Cost Estimating Relationship	Mr. E. Andrew Long Dr. David A. Lee Mr. James Forbes
3C7	7235	Future Combat Systems (FCS) Logistics Systems	Ms. Soo R. Yoon
3C8	7243	Method for Aligning Architecture Frameworks and System Requirements	Mr. Richard L Eilers Mr. Mark Rhaodes Mr. Kevin Hall Dr. Samer Minkara

3C8	7136	Architecture Trade-off Analysis Method® (ATAM®) for System Architecture Evaluation	Mr. Michael Gagliardi Mr. William Wood Mr. John Klein
3C8	7081	Littoral Combat Ship (LCS) Mission Modules Integration: An Open Architecture Approach	Mr. Cecil Whitfield Mr. Jose Casals Mr. Kenneth Montogomery
3D1	6886	Air Force Systems Engineer Assessment Model (AF SEAM)	Mr. Randall Bullard Mr. George Freeman
3D1	7204	Advancing Systems Engineering Practice within the Department of Defense: Overview of DoD's Newest University Affiliated Research Center (UARC)	Ms. Sharon Vannucci Mr. Dennis Barnabe
3D1	7030	Defining 100 Best Practices for Systems Engineering	Mr. Ian Talbot
3D1	7093	Systems Engineering Performance Measures	Mr. James C Miller
3D2	7003	Applicable Documents	Mr. James R van Gaasbeek
3D2	7014	Systems Engineering in the Science and Technology Environment – Best Practices and other Lessons Learned from the Air Force Research Laboratory	Mr. William P Doyle Mr. Michael C Bartmess
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3D3	7479	360 degree view of the technology, strategy and business	Mr. Min-Gu Lee
3D3	7385	Enabling More Effective Weapons Systems Acquisition and Sustainment through an Enterprise Approach	Mr. John Stewart Mr. Pat Morris Mr. John Liss Mr. Rich Fredricks Dr. Iraj Hirmanpour
3D4	7515	The Intersection of System Safety, Lean Engineering, and Ergonomics	Dr. Lee Ostrom Ms. Cathy Rothwell
3D4	7258	Joint Service Safety Testing Study	Ms. Paige Ripani
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