NDIA
National Defense Industrial Association

PROMOTING NATIONAL SECURITY SINCE 1919

12TH ANNUAL SYSTEMS ENGINEERING CONFERENCE

"ACHIEVING ACQUISITION EXCELLENCE VIA EFFECTIVE SYSTEMS ENGINEERING"
CO-SPONSORED BY NDIA TEST & EVALUATION DIVISION

CONFERENCE ANNOUNCEMENT

HYATT REGENCY MISSION BAY ▸ SAN DIEGO, CA

OCTOBER 26-29, 2009
WWW.NDIA.ORG/MEETINGS/0870

EVENT #0870

CONTACTS

Technical Program Co-Chairs:
Mr. Steve Henry,
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Conference Chair:
Mr. Bob Rassa, Director, Systems Supportability, Raytheon; Chair, Systems Engineering Division, NDIA, rcrassa@raytheon.com, (310) 985-4962

Meeting Planner:
Ms. Suzanne Havelis, NDIA, shavelis@ndia.org, (703) 247-2570.

Conference Director:
Mr. Sam Campagna, NDIA, scampagna@ndia.org, (703) 247-2544

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 26-29, 2009. 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, Office of the Director, Defense Research & Engineering/Systems Engineering.

BACKGROUND

The Department of Defense continues to work to improve the acquisition of military equipment and capability to assist the warfighter in protecting the U.S. and its allies, and help oppressed nations around the world, amidst continuously changing conditions and threats. The DoD seeks to improve the acquisition process and overall program execution of military systems, to provide greater, more effective and reliable warfighting capability, at affordable cost and within reasonable schedules. One of the primary and critically important areas of program acquisition and execution lies in the umbrella discipline of Systems Engineering, which is the overall integrating function in defense programs, from proper requirements definition & flowdown, effective and affordable design that integrates reliability, availability and maintainability considerations into the overall balance of design that emphasizes supportability and usage aspects along with overall performance, cost and schedule. Systems Engineering principles embody strong technical and risk management aspects, for both the acquiring program office as well as the executing defense prime and subcontractors. Strong emphasis on systems engineering throughout the life cycle of the program, from concept development through sustainment, is a key enabler of successful programs. The annual Systems Engineering Conference explores the role of systems engineering in defense programs from all aspects and perspectives, including the pragmatic, practical and academic viewpoints, and brings key practitioners together to work on effective solutions to achieving a successful warfighting force.

CONFERENCE OBJECTIVES

This conference seeks to create an interactive forum for Program Managers, Systems Engineers, Chief Scientists and Engineers and Managers from the Requirements, Design, Verification, Support, Logistics and Test communities from Government, Academia, and Industry. The conference will provide the opportunity to shape policy and procedures by exchanging innovative tactics and lessons learned.

REGISTRATION

CONFERENCE REGISTRATION FEES	EARLY (ON/BEFORE 9/18)	REGULAR (9/19-10/16)	LATE (AFTER 10/16)
GOVERNMENT/ ACADEMIA/ ALLIED GOV.	$780	$860	$945
INDUSTRY NDIA MEMBER	$880	$970	$1065
INDUSTRY NON-NDIA MEMBER	$955	$1050	$1155
DISPLAY SPACE	$1500	$1500	$1500
TUTORIALS	$250	$250	$275

Register online by visiting the conference website at www.ndia.org/meetings/0870. Online registration will close on October 16, 2009. You may also fax the registration form found in this brochure to (703) 522-1885 or mail to National Defense Industrial Association, Event #0870, 2111 Wilson Blvd., Suite 400, Arlington, VA 22201. Payment must be made at the time of registration. Registrations will not be taken over the phone. In order for your name to appear in the onsite roster, you must register for the conference by Octorber 16, 2009. After this date, you must register onsite in San Diego, CA.

CANCELLATION POLICY

Cancellations received by September 18, 2009 will receive a full refund. Cancellations received from September 19, 2009 until October 16, 2009 will receive a refund minus a cancellation fee of $75.00. Refunds will not be given for cancellations received after October 16, 2009. All cancellations must be made in writing to shavelis@ndia.org.

SUBSTITUTIONS

Substitutions are welcome in lieu of cancellations. Substitutions must be made in writing to shavelis@ndia.org.

CONTINUING EDUCATION UNIT CREDIT

NDIA is currently pursuing the ability to offer CEU credit options for the Systems Engineering Conference. We will update you as we progress via email and posting to the Systems Engineering Conference web page, www.ndia.org/meetings/0870.

▸ 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.

▸ SPECIAL NEEDS

NDIA supports the Americans with Disabilities Act of 1990. Attendees with special needs should call Suzanne Havelis, Meeting Planner, at 703-247-2570 and refer to Event #0870 prior to October 10, 2009.

▸ 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.

▸ HOTEL INFORMATION

A block of rooms has been reserved at the Hyatt Regency Mission Bay, 1441 Quivira Road San Diego, CA 92109. In order to ensure the discounted NDIA rate, please make reservations early and ask for the NDIA room block. Rooms will not be held after October 3, 2009 and may sell out before then. Rates are also subject to increase after this date.

Industry Rate – $219
Government Rate – $147

You may book your reservation by calling the Hyatt Regency Mission Bay directly at (619) 224-1234.

**The per diem rate is available only to active duty or civilian government employees. ID will be required upon check-in. Retired military do not qualify for the government rate.*

▸ DISPLAY INFORMATION

An area will be available for the setup of company or organization displays to demonstrate your company or organization's unique tools or capabilities. The registration fee of $1,500 includes one individual registration, table, chair, and electrical hook-up. Displays will be tabletop or "pop-up" style. Allocated display space will be 10 ft. wide by 6 ft. deep. Although computer systems for demonstration are OK, minimal hardware should be utilized. No formal decorating company will be involved. Companies must bring their own displays and plan to do their own set-up. Standard draped folding table and chair will be provided for each display space. Display registration forms can be downloaded from the conference website: www.ndia.org/meetings/0870.

▸ PROMOTIONAL PARTNERSHIP

Increase your company or organization's exposure at this premier event by becoming a Promotional Partner! With a Promotional Partnership of $5,000, you will receive your organization's name on the back cover of the onsite brochure, a 350-word organization description in the onsite brochure, main podium recognition throughout the conference, signage at all events including the receptions, and a hotlink on the conference website to your organization's website. For information, please contact Sam Campagna, Director, Operations, at (703) 247-2544 or scampagna@ndia.org.

CONFERENCE AGENDA

SUNDAY, OCTOBER 25, 2009

5:00 pm - 7:00 pm	**REGISTRATION FOR TUTORIALS AND GENERAL CONFERENCE**

MONDAY, OCTOBER 26, 2009

7:00 am - 6:00 pm	**REGISTRATION**
7:00 am - 8:00 am	**CONTINENTAL BREAKFAST (FOR TUTORIAL ATTENDEES ONLY)**
8:00 am - 12:00 pm	**TUTORIAL TRACKS**
9:45 am - 10:15 am	**MORNING BREAK (FOR TUTORIAL ATTENDEES ONLY)**
12:00 pm - 1:00 pm	**LUNCH (FOR TUTORIAL ATTENDEES ONLY)**
1:00 pm - 5:00 pm	**TUTORIAL TRACKS CONTINUED**
2:45 pm - 3:15 pm	**AFTERNOON BREAK (FOR TUTORIAL ATTENDEES ONLY)**
5:00 pm - 6:00 pm	**RECEPTION IN THE REGATTA PAVILION - OPEN TO ALL CONFERENCE ATTENDEES**

TUESDAY, OCTOBER 27, 2009

7:15 am - 7:00 pm — **REGISTRATION**

7:15 am - 8:15 am — **CONTINENTAL BREAKFAST IN THE REGATTA PAVILION**

8:15 am - 8:30 am — **PLENARY SESSION 1 - INTRODUCTION & OPENING REMARKS**

- Mr. Sam Campagna, *Director, Operations, NDIA*
- Mr. Bob Rassa, *Director, Systems Supportability, Raytheon*; *Chair, Systems Engineering Division, NDIA*

8:30 am - 9:30 am — **KEYNOTE**

- Honorable Zachary J. Lemnios, *Director, Defense Research and Engineering, Office of the Secretary of Defense (Acquisition, Technology and Logistics)*

9:30 am - 10:00 am — **MORNING BREAK IN THE REGATTA PAVILION**

10:00 am - 12:00 pm — **PLENARY SESSION 2 - SERVICE ACQUISITION EXECUTIVES PANEL**

View from the Top: How Can SE Support Program Execution?

Moderator: Mr. Gordon Kranz, *Office of the Director, Defense Research and Engineering Systems Engineering*

- Mr. Dean G. Popps, *Acting Assistant Secretary of the Army (Acquisition, Logistics and Technology) and Army Acquisition Executive (Invited)*
- Mr. Sean J. Stackley, *Assistant Secretary of the Navy (Research, Development and Acquisition) and Navy Acquisition Executive (Invited)*
- Mr. David M. Van Buren, *Acting Assistant Secretary of the Air Force for Acquisition and Air Force Acquisition Executive (Invited)*
- Mr. David G. Ahern, *Director, Portfolio Systems Acquisition, Office of the Secretary of Defense (Acquisition, Technology and Logistics)*

12:00 pm - 1:30 pm — **LUNCH WITH SPEAKER IN THE REGATTA PAVILION**

- Mr. Terry Jaggers, *Acting Director, Systems Engineering, ODDR&E*

TUESDAY, OCTOBER 27, 2009 - CONTINUED

1:30 pm - 3:15 pm **PLENARY SESSION 3 - TEST & EVALUATION EXECUTIVES PANEL**

View from the Top: How SE Can Support Developmental Test and Evaluation?

Moderator: Mr. Jim O'Bryon, *The O'Bryon Group; Chair, Test and Evaluation Division*

- Mr. James C. Cooke, *Deputy Under Secretary of the Army for Test and Evaluation*
- Ms. Amy Markowich, *Deputy DoN T&E Executive*
- Mr. John T. Manclark, *SES, Director of Test and Evaluation, Headquarters, U.S. Air Force*
- Mr. Christopher DiPetto, *OUSD(AT&L)/DDR&E/DT&E*

3:15 pm - 3:30 pm **AFTERNOON BREAK IN THE REGATTA PAVILION**

3:30 pm - 5:15 pm **PLENARY SESSION 4 - CHIEF SYSTEMS ENGINEERS PANEL**

View from the Top: How SE Can Support Developmental Test and Evaluation?

Moderator: Mr. Bob Rassa, *Director, Systems Supportability, Raytheon; Chair, Systems Engineering Division, NDIA*

- Mr. Ross Guckert, *Assistant Deputy for Acquisition and Systems Integration, Office of the Secretary of the Army for Acquisition, Logistics and Technology (ASA(ALT)) (Invited)*
- Mr. Carl Siel, Chief Systems Engineer, *Office of the Assistant Secretary of the Navy for Research, Development and Acquisition (ASN(RDA)CHSENG) (Invited)*
- *U.S. Air Force TBD*

5:30 pm - 7:00 pm **RECEPTION IN THE REGATTA PAVILION**

WEDNESDAY, OCTOBER 28, 2009

7:00 am - 5:15 pm	**REGISTRATION**
7:00 am - 8:00 am	**CONTINENTAL BREAKFAST IN THE REGATTA PAVILION**
8:00 am - 12:00 pm	**CONCURRENT SESSIONS -** ***Please refer to the following pages for session schedule***
9:45 am - 10:15 am	**MORNING BREAK IN THE REGATTA PAVILION**
12:00 pm - 1:30 pm	**AWARDS LUNCH IN THE REGATTA PAVILION**
1:30 pm - 5:15 pm	**CONCURRENT SESSIONS -** ***Please refer to the following pages for session schedule***
3:15 pm - 3:30 pm	**AFTERNOON BREAK IN THE REGATTA PAVILION**
5:15 pm	**WEDNESDAY SESSION ADJOURNS**

THURSDAY, OCTOBER 29, 2009

7:00 am - 3:00 pm	**REGISTRATION**
7:00 am - 8:00 am	**CONTINENTAL BREAKFAST IN THE REGATTA PAVILION**
8:00 am - 12:00 pm	**CONCURRENT SESSIONS -** ***Please refer to the following pages for session schedule***
9:45 am - 10:15 am	**MORNING BREAK IN THE REGATTA PAVILION**
12:00 pm - 1:00 pm	**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**

MONDAY, OCTOBER 26, TUTORIAL SESSIONS

TRACK	8:00 AM SESSION A	10:15 AM SESSION B	1:00 PM SESSION C	3:15 PM SESSION D
TRACK 8 Palm II	8819 - 1A8 - Tutorial: Rethinking Risk Management Ms. Audrey Dorofee, SEI/CMU	8819 - 1B8 - Tutorial: Rethinking Risk Management Ms. Audrey Dorofee, SEI/CMU	8877 - 1C8 - Tutorial: Best Practices in Modeling and Simulation Dr. Gene Paulo, Naval Postgraduate School	8877 - 1D8 - Tutorial: Best Practices in Modeling and Simulation Dr. Gene Paulo, Naval Postgraduate School
TRACK 7 Palm I	8785 - 1A7 - Tutorial: Agile Development in Defense Acquisition Dr. Peter Hantos, The Aerospace Corporation	8785 - 1B7 - Tutorial: Agile Development in Defense Acquisition Dr. Peter Hantos, The Aerospace Corporation	8801 - 1C7 - Tutorial: Integrating SE with Earned Value Management Mr. Paul Soloman, Performance-Based Earned Value	8801 - 1C7 - Tutorial: Integrating SE with Earned Value Management Mr. Paul Soloman, Performance-Based Earned Value
TRACK 6 Mission III	9078 - 1A6 - Tutorial: Organizational Implications of SOS Ms. Suzanne Garcia, SEI/CMU	9078 - 1B6 - Tutorial: Organizational Implications of SOS Ms. Suzanne Garcia, SEI/CMU	8782 - 1C6 - Tutorial: Technology Transition and the Defense Acquisition System Mr. William Decker, DAU	8782 - 1C6 - Tutorial: Technology Transition and the Defense Acquisition System Mr. William Decker, DAU
TRACK 5 Mission II	8984 - 1A5 - Tutorial: How to use Lean SE Processes to Save Time and Money Mr. Tim Olson, Lean Solutions Institute, Inc.	8984 - 1B5 - Tutorial: How to use Lean SE Processes to Save Time and Money Mr. Tim Olson, Lean Solutions Institute, Inc.	9072 - 1C5 - Tutorial: Leveraging the Defense Acq Program Support (DAPS) Methodology Mr. James Thompson, ODUSD(A&T) Systems and Software Engineering	9072 - 1D5 - Tutorial: Leveraging the Defense Acq Program Support (DAPS) Methodology Mr. James Thompson, ODUSD(A&T) Systems and Software Engineering
TRACK 4 Mission I	9035 - 1A4 - Tutorial: Collaborative Decision Making Dr. Tommer Ender, Georgia Tech Research Institute	9035 - 1B4 - Tutorial: Collaborative Decision Making Dr. Tommer Ender, Georgia Tech Research Institute	8931 - 1C4 - Tutorial: Role of Mentoring in Developing the Sys Eng Workforce Mr. Nicholas Torelli, DUSD(A&T) Systems and Software Engineering	8931 - 1D4 - Tutorial: Role of Mentoring in Developing the Sys Eng Workforce Mr. Nicholas Torelli, DUSD(A&T) Systems and Software Engineering
TRACK 3 Bayview I	8955 - 1A3 -Tutorial: Early Sys Thinking and Planning in WPN Sys Concept Phase Mr. Jeff Loren, SAF/AQR (Alion Science & Technology)	8955 - 1B3 -Tutorial: Early Sys Thinking and Planning in WPN Sys Concept Phase Mr. Jeff Loren, SAF/AQR (Alion Science & Technology)	9040 - 1C3 - Tutorial: Implementing the Material KPP in DOD Acquisition Programs Mr. Grant Schmieder, ODUSD(A&T)SSE	9040 - 1D3 - Tutorial: Implementing the Material KPP in DOD Acquisition Programs Mr. Grant Schmieder, ODUSD(A&T)SSE
TRACK 2 Bayview II	8779 - 1A2 - Tutorial: Mission Based Test and Eval Strategy: Case Study Mr. Christopher Wilcox, U.S. Army Test and Evaluation Command	8779 - 1B2 - Tutorial: Mission Based Test and Eval Strategy: Case Study Mr. Christopher Wilcox, U.S. Army Test and Evaluation Command	8818 - 1C2 - Tutorial: Integrated Testing Enhances SE Dr. Beth Wilson, Raytheon Company	8818 - 1D2 - Tutorial: Integrated Testing Enhances SE Dr. Beth Wilson, Raytheon Company
TRACK 1 Bayview III	8736 -1A1 - Tutorial: Framework of Engineering Architectures Mr. Donald Firesmith, SEI	8736 - 1B1 - Tutorial: Framework of Engineering Architectures Mr. Donald Firesmith, SEI	8992 -1C1 -Tutorial: SOS Quality Attribute Specification and Architecture Evaluation Mr. Michael Gagliardi, SEI	8992 -1D1 -Tutorial: SOS Quality Attribute Specification and Architecture Evaluation Mr. Michael Gagliardi, SEI

WEDNESDAY, OCTOBER 28, CONCURRENT SESSIONS

TRACK	SESSION CHAIR	8:00 AM	8:35 AM	9:10 AM	TRACK	SESSION CHAIR	10:15 AM	10:50 AM	11:25 AM
TRACK 8 Net-Centric Operations/ Interoperability Palm II	**Mr. Jack Zavin,** *ASD (NII)*	8780 - Net-Centric Best Practices Mr. Donald Way, JPEO-CBD - Software Support Activity	8788 - Data sharing in a Stability Operations Community of Interest: Utilizing a pilot program to prove concepts and develop trust. Mr. Gerald Christman, Femme Comp Inc.	8853 - C4I Architecture for Joint ASW Mr. Gregory Miller, Naval Postgraduate School	TRACK 8 Net-Centric Operations/ Interoperability Palm II	**Mr. Jack Zavin,** *ASD (NII)*	8929 - Extending Net-Centric Quality of Service to Systems of Systems Maj Vinod Naga, USAF, Air Force Institute of Technology	9081 - Testing in Service-oriented Environments Mr. Soumya Simanta, SEI	8913 - Linking Interoperability and Measures of Effectiveness: A Method for Evaluating Architectures Dr. David Jacques, Air Force Institute of Technology
TRACK 7 Program Management Palm I	**Mr. Hal Wilson,** *Northrop Grumman Corporation*	9003 - CMMI® for Executives Mr. Geoff Draper, Harris Corporation	9034 - Sustainment and Continued Institutionalization of Best Practices and CMMI® at SPAWAR Mr. Michael Kutch, SPAWAR Systems Center Atlantic	9065 - Rapidly Implementing Lean CMMI® Processes That Meet Business Needs Mr. Tim Olson, Lean Solutions Institute, Inc	TRACK 7 Program Management Palm I	**Mr. Hal Wilson,** *Northrop Grumman Corporation*	8982 - Systemic Root Cause Analysis – Driving Improvements into the Acquisition Process Mr. Peter Nolte, ODUSD(A&T) Systems and Software Engineering (SSE)	8791 - Cost and Risk Impacts of the New DOD 5000 Defense Acquisition Framework Dr. Peter Hantos, The Aerospace Corporation	8934 - The Key Role of Systems Engineering in Implementing Earned Value Management (EVM) Mr. Ceaser Sharper, ODUSD(A&T) Systems and Software Engineering (SSE)
TRACK 6 System of Systems Mission III	**Dr. Judith Dahman,** *DUSD(A&T) Systems and Software Engineering/ MITRE*	8960 - A Distillation of Lessons Learned from Complex System of Systems Acquisitions Dr. Richard Turner, Stevens Institute	8958 - Systems Security Engineering Ms. Kristen Baldwin, DUSD(A&T) Systems and Software Engineering	8784 - Establishing a Departmental-Level Systems-of-Systems Engineering Management Construct for the Department of the Navy, Progress Report Mr. John Kevin Smith, Asst Sec of the Navy for RD&A, Chief Engineer	TRACK 6 System of Systems Mission III	**Dr. Judith Dahman,** *DUSD(A&T) Systems and Software Engineering/ MITRE*	8840 - Naval Systems of Systems Engineering Guidebook Update Ms. Melinda Reed, DoD (ASN RDA CHSENG)	8942 - DoD Systems of Systems Update Dr. Judith Dahmann, ODUSD(A&T) Systems and Software Engineering/MITRE	8961 - Engineering Systems of Systems: An Integration Perspective Dr. Emmett Maddry, NSWCDD
TRACK 5 Human Systems Integration Mission II	**Mr. Stuart Booth,** *ODUSD(A&T) Systems and Software Engineering (SSE)*	8975 - What is Human Systems Integration (HSI) and why should we do it? Mr. Stuart Booth, ODUSD(A&T) Systems and Software Engineering (SSE)	9042 - Bounding the Human Within the System Mr. Michael Mueller, U.S. Air Force Center for Systems Engineering	8994 - Driving HSI into Common Industry Practice Dr. Noreen McQuinn, The Boeing Company	TRACK 5 System Safety - ESOH Mission II	**Mr. Sherman Forbes,** *U.S. Air Force*	9070 - Improving Safety Technology Insertion in DoD Acquisition Programs Dr. Elizabeth Rodriguez-Johnson, ODUSD(A&T) Systems and Software Engineering	9094 - DoD Green Procurement Program Update and Path Forward Mr. David Asiello, Office of the Secretary of Defense	9091 - Environment, Safety, and Occupational Health (ESOH) Risk and Technology Requirements Reporting at Acquisition Program Reviews Ms. Lucy Rodriguez, Booz Allen Hamilton

TRACK 4 Test and Evaluation Mission I	**Dr. Beth Wilson,** *Raytheon Company*	8848 - Integrated Testing: We Can Do It Dr. Beth Wilson, Raytheon Company	8882 - Test & Evaluation Strategy for the Technology Development Phase Ms. Darlene Mosser-Kerner, OUSD(AT&L)/ DDR&E/DT&E	8883 - Test & Evaluation Products for the Systems Engineering Reviews Mr. Woody Eischens, OUSD(AT&L)/ DDR&E/DT&E	TRACK 4 Test and Evaluation Mission I	**Dr. Beth Wilson,** *Raytheon Company*	8814 - Joint Mission Environment Test Capability (JMETC), Lowering technical Risk by Improving Distributed Test Capabilities Mr. Chip Ferguson, JMETC	8881 - Testing in a Joint Mission Environment Mr. Laurence Paulson, OUSD(AT&L)/ DDR&E/DT&E	8859 - Tactical Dara Link Modeling & Simulation in support of Test & Evaluation Mr. Pete Whitby, SPAWAR Systems Center PACIFIC
TRACK 3 Technology Maturity Bayview I	**Mr. Bill Nolte,** *WPAFB* and **James Malas,** *U.S. Air Force Research Laboratory*	8916 - System Readiness - assessing technical risk throughout the lifecycle Ms. Kristen Baldwin, ODUSD(A&T)/SSE	8963 - Air Force Concept Maturity Assessment Mr. George Freeman, U.S. Air Force, Center for Systems Engineering	8900 - DOD's Weapon System Portfolio: Are Results Getting Any Better? Mr. Michael Sullivan, U.S. Government Accountability Office	TRACK 3 Technology Maturity Bayview I	**Mr. Bill Nolte,** *WPAFB* and **James Malas,** *U.S. Air Force Research Laboratory*	8894 - Air Force Initiative – High Confidence Technology Transition Planning Through the Use of Stage-Gates – Update Mr. Randy Bullard, U.S. Air Force Materiel Command	8833 - Communicating Risk: Air Force RI3 Methodology Mr. John Cargill, AF Cost Analysis Agency	8891 - A comprehensive overview of techniques for measuring system readiness Mr. James Bilbro, JB Consulting International
TRACK 2 Early System Engineering Bayview II	**Mr. John Lohse,** *Raytheon Company* and **Jeff Loren,** *SAF/AQR (Alion Science & Technology)*	8925 - DoDI 5000.02 and Its Impact on Early Systems Engineering Ms. Sharon Vannucci, ODUSD(A&T) SSE	8924 - Key Early Systems Engineering Activities and Products Under the New DoDI 5000.02 Dr. Judith Dahmann, DUSD(A&T) Systems and Software Engineering/ MITRE	8933 - Early Systems Engineering Planning: Milestone A Systems Engineering Plan Ms. Lisa Reuss, ODUSD(A&T) SSE/ SAIC	TRACK 2 Early System Engineering Bayview II	**Mr. John Lohse,** *Raytheon Company* and **Jeff Loren,** *SAF/AQR (Alion Science & Technology)*	8949 - Updated DoD 5000 and CJCS 3170 Policies: A Requirements to Acquisition Gap Analysis Mr. John Lohse, Raytheon Company	8813 - Emerging Roles for Systems Engineering in Defense Decision Making; Better Aligning Requirements and Acquisition with the Budget and Security Environments Mr. William Roske, Institute for Defense Analyses	8856 - Understanding the Value of a Capability Mr. Mark Hanna, The Boeing Company
TRACK 1 Systems Engineering Effectiveness Bayview III	**Mr. Al Brown,** *The Boeing Company*	8816 - Mind the GAPs-a Systems Engineering Implementation of DoDI 5000.02 Dr. Thomas Christian, U. S. Air Force	8990 - Systems Engineering for Rapid Capability Development Mr. Thomas McDermott, Georgia Tech Research Institute	8974 - Transforming Systems and Software Engineering Across an Enterprise Mr. Jeffery Wilcox, Lockheed Martin Corporation	TRACK 1 Systems Engineering Effectiveness Bayview III	**Mr. Al Brown,** *The Boeing Company*	8839 - Navy Systems Engineering Technical Review Process Ms. Melinda Reed, DoD (ASN RDA CHSENG)	8823 - Win and Influence Design Engineers---Change Their Affordability DNA Ms. S. Diana Patane, Raytheon Missile Systems	8863 - Using Requirements Compliance to Identify Gaps Between the Technical Solution and Requirements Mr. Frank Salvatore, High Performance Technologies, Inc.

WEDNESDAY, OCTOBER 28, CONCURRENT SESSIONS

TRACK	SESSION CHAIR	1:30 PM	2:05 PM	2:40 PM	TRACK	SESSION CHAIR	3:30 PM	4:05PM	4:40 PM
TRACK 8 Net-Centric Operations/Interoperability Palm II	**Mr. Jack Zavin,** *ASD (NII)*	8874 - The Boeing System of Systems Engineering (SoSE) Process and Its Use in Developing Legacy-Based Net-Centric Systems of Systems Mr. Marion Butterfield, The Boeing Company	9010 - Network Enabled Weapons, A System Engineering Approach to Achieve Interoperabilty Mr. Wayne Willhite, Naval Air Warfare Center Weapons Division	8854 - Human Interoperability Enterprise and Net-Centric Operations Dr. S. Brown, NDU	TRACK 8 Speciality Engineering Palm II	**Mr. Joel Moorvitch,** *Raytheon Company*	8944 - DoD's Refocus on Specialty Engineering (Reliability, Availability and Maintainability; Producibility and Quality, Supportability, Safety and Human Systems Integration) Mr. Chester Bracuto, Office of the Secretary of Defense	9043 - Implementing the Materiel Availability KPP in DoD acquisition programs—balancing life-cycle costs with warfighter needs Mr. Grant Schmieder, ODUSD(A&T)SSE	8873 - IUID enables streamlined acquisition and system engineering Mr. Robert Leibrandt, DoD UID Policy Office 8958 - Systems Security Ms. Kristen Baldwin, DUSD (A&T) Systems & Software Engineering
TRACK 7 Program Management Palm I	**Mr. Hal Wilson,** *Northrop Grumman Corporation*	8979 - Boots on the Ground: Tactical Planning at Program Start Up Mr. Gerry Becker, Harris Corporation	8999 - Program Signature Measurement Mr. Christopher Miller, OUSD(AT&L)/DDR&E/ DT&E	9103 - The Economics of CMMI Mr. Geoff Draper, Harris Corporation	TRACK 7 Program Management Palm I	**Mr. Hal Wilson,** *Northrop Grumman Corporation*	8995 - Integrated Systems Engineering and Developmental Test and Evaluation Mr. Chris DiPetto, DUSD(A&T)/SSE	9021 - Critical Success Factors for Milestone Review Risk Identification Dr. Barry Boehm, USC	9030 - Lessons Learned in Motivating Software Engineering Process Group to Focus on Achieving Business Goals and Not on Just Achieving a Maturity Level Mr. Girish Seshagiri, Advanced Information Services Inc.
TRACK 6 System of Systems Mission III	**Dr. Judith Dahman,** *DUSD(A&T) Systems and Software Engineering/MITRE*	8898 - Designing Collaborative Systems of Systems in support of Multi-sided Markets Mr. Philip Boxer, SEI	8892 - SysML Strategies to Characterize and Analyze Systems of Systems Dr. Jo Ann Lane, University of Southern California	9041 - On Modeling and Simulation Methods for Capturing Emergent Behaviors for Systems of Systems Dr. Jack Zentner, Georgia Tech Research Institute	TRACK 6 System of Systems Mission III	**Dr. Judith Dahman,** *DUSD(A&T) Systems and Software Engineering/MITRE*	9060 - M&S Support for SoS SE Mr. James Hollenbach, ODUSD(A&T) Systems and Software Engineering (SSE)	8776 - The Modular SOS Paradigm: an Availability Paradox? Mr. Peter Gentile, Northrop Grumman Corporation	8866 - Extending FMECA to Systems of Systems Mr. Leopoldo Mayoral, Johns Hopkins University/APL
TRACK 5 Human Systems Integration Mission II	**Mr. Stuart Booth,** *ODUSD(A&T) Systems and Software Engineering (SSE)*	8998 - Human Systems Integration – Ensuring the Human is Considered "Left of A" Col Larry Kimm, USAF, U.S Air Force	8885 - Human Systems Integration (HSI) - Integrating Human Concerns into Life Cycle Systems Engineering Ms. Cynthia Shewell, Booz Allen Hamilton	9012 - Human Systems Integration: Defining and Validating a Framework for Enhanced Systems Development Dr. Matthew Risser, Pacific Science & Engineering Group	TRACK 5 System Safety - ESOH Mission II	**Mr. Sherman Forbes,** *U.S. Air Force*	9028 - Ground Vehicle Seatbelt System Design and Performance Specification Mrs. Anne Purtell, Dynamic Impact Analysis	9095 - Acquisition ESOH Risk Management and HAZMAT Management Part I: Hazardouse Materials Management Plan Ms. Lucy Rodriguez, Booz Allen Hamilton	8890 - Building Safer UGVs with Run-time Safety Invariants Mr. Michael Wagner, Carnegie Mellon University, NREC

TRACK 4 Test and Evaluation of SOS Mission I	**Dr. Beth Wilson,** *Raytheon Company*	8825 - Test and Evaluation in a System of Systems Environment Mr. Edwin McDermott, 653 ELSW, Electronic Systems Center	8849 - Joint Integration and Interoperability Lab (JSIIL) Maj Gen William Rajczak, USJFCOM	8935 - Systems of Systems Systems Engineering and Test and Evaluation Dr. Judith Dahmann, ODUSD(A&T) Systems and Software Engineering (SSE)	TRACK 4 Practical Systems Engineering Mission I	**Mr. Dana Peterson,** *DRS Technologies, Inc.*	9014 - SAVI: Aerospace Platform Development and Certification Using Modeling and Simulation to "Integrate, then Build" Mr. Gregory Pollari, Rockwell Collins	8855 - Certify and Fly Right: Preparing for DO-297 Certification Mr. Ketih Custer, Esterline Control Systems-AVISTA	8973 - C-17 Tailored Airworthiness Certification Criteria Mr. Christian Stillings, USAF 516 AESG
TRACK 3 Technology Maturity Bayview I	**Mr. Bill Nolte,** *WPAFB* and **James Malas,** *U.S. Air Force Research Laboratory*	9027 - Department of Energy Office of Environmental Management's Technology Readiness Assessment (TRA) Process Mr. Kurt Gerdes, U.S. Department of Energy	9017 - Linking Systems Engineering Artifacts with Complex Systems Maturity Assessments Dr. Brian Sauser, Stevens Institute of Technology	9023 - Department of Energy Office of Environmental Management's Technology Readiness Assessment (TRA)/ Technology Maturation Plan (TMP) Process Guide and Plans for TRA Training Mr. Kurt Gerdes, U.S. Department of Energy	TRACK 3 Technology Maturity Bayview I	**Mr. Bill Nolte,** *WPAFB* and **James Malas,** *U.S. Air Force Research Laboratory*	8798 - The New Technology Readiness Assessment Process Dr. Jay Mandelbaum, Institute for Defense Analyses	8870 - S&T Portfolio Maturity & Performance Analysis: The Concept of Critical Research Elements Mr. Has Patel, Infologic, Inc.	8879 - TRL Vectors in IPPD-based Portfolio Management Mr. Michael Bartmess, General Dynamics/AIS 8770 - Incorporating Maturity Assessment into House of Quality for Improved Decision Support Analysis and Risk Management Mr. Pavel Fomin, U.S. Air Force
TRACK 2 Early System Engineering Bayview II	**Mr. John Lohse,** *Raytheon Company* and **Jeff Loren,** *SAF/AQR (Alion Science & Technology)*	8951 - USAF View of NRC "Pre-A Systems Engineering" Study Committee Recommendations As Addressed By Levin-McCain (P.L. 111-23; "Weapon Systems Acquisition Reform Act of 2009") Mr. Jeff Loren, SAF/AQR (Alion Science & Technology)	8846 - Air Force Materiel Command Early Systems Engineering Dr. Brian Kowal, USAF	9016 - A Framework for Enhancing Forward-looking Capability Delivery Metrics Mr. Leonard Sadauskas, DoD CIO CT&S	TRACK 2 Early System Engineering Bayview II	**Mr. John Lohse,** *Raytheon Company* and **Jeff Loren,** *SAF/AQR (Alion Science & Technology)*	9082 - Including Environment, Safety, and Occupational Health (ESOH) Requirements in Joint Capabilities Integration and Development System (JCIDS) Documents Mr. Sherman Forbes, U.S. Air Force	8835 - T&E Collaboration and Contributions during Early Program Acquisition Mr. Stephen Scukanec, Northrop Grumman Corporation Aerospace Systems	8795 - Mission-based Test and Evaluation Strategy: Creating Linkages between Technology Development and Mission Capability Mr. John Beilfuss, U.S. Army Research Laboratory
TRACK 1 Systems Engineering Effectiveness Bayview III	**Mr. Al Brown,** *The Boeing Company*	8851 - Rapid Development and Integration of Remote Weapon Systems to Meet Operational Requirements Mr. Joseph Burkart, NSWC Crane, Small Arms Air Platform Integration	8893 - Rapid Development Mr. Michael Gaydar, NAVAIR	8864 - The Relationship between Systems Engineering and Project Performance in light of Requirements Volatility Mr. Samuel Son, The Boeing Company	TRACK 1 Systems Engineering Effectiveness Bayview III	**Mr. Al Brown,** *The Boeing Company*	8902 - Systems Engineering Leading Indicators: Insight into Effective Systems Engineering Mr. Gary Roedler, Lockheed Martin Corporation	8769 - System Engineering Analysis – The Forgotten Skill Mr. David Henry, Lockheed Martin Corporation	8948 - Value Engineering Applications in Service Contracts Dr. Jay Mandelbaum, Value Engineering Applications in Service Contracts

THURSDAY, OCTOBER 29, CONCURRENT SESSIONS

TRACK	SESSION CHAIR	8:00 AM	8:35 AM	9:10 AM	TRACK	SESSION CHAIR	10:15 AM	10:50 AM	11:25 AM
TRACK 8 Software Intensive Systems Palm II	**Mr. Paul Croll,** *CSC* and **Mr. Scott Lucero,** *OSD Systems & Software Engineering*	8977 - Overview of DoD Software Engineering Initiatives Mr. Scott Lucero, OSD Systems & Software Engineering	8820 - Graduate Software Engineering Reference Curriculum (GSwERC) Ms. Nicole Hutchison, Analytic Services, Inc.	8739 - Quality Assessment of Software-Intensive System Architectures and their Requirements (QUASAR) Mr. Donald Firesmith, SEI	TRACK 8 Software Intensive Systems Palm II	**Mr. Paul Croll,** *CSC* and **Mr. Scott Lucero,** *OSD Systems & Software Engineering*	8812 - A Systems Engineering Approach to Multi-Level Security in a Service Oriented Architecture Mr. Timothy Greer, Lockheed Martin Corporation	9104 - Static Code Analysis: Best Practices for Software Assurance in the Acquisition Life Cycle Mr. Paul Croll, CSC	8996 - Engineering Improvement in Software Assurance: A Landscape Framework Ms. Lisa Brownsword, SEI
TRACK 7 Work Force Development Palm I	**Mr. Don Gelosh,** *DUSD(A&T) Systems and Software Engineering* and **Mr. Mike Ucchino,** *U.S. Air Force Center for Systems Engineering*	8926 - Systems Engineering Workforce Development Update Dr. Don Gelosh, DUSD(A&T) Systems and Software Engineering	9076 - Assessing Systems Engineering Personnel Competency: Framework and Tool Experience Dr. Barry Boehm, University of Southern California	8943 - Team SE Skill Set Mr. Charles Garland, U.S. Air Force Center for Systems Engineering	TRACK 7 Work Force Development Palm I	**Mr. Don Gelosh,** *DUSD(A&T) Systems and Software Engineering* and **Mr. Mike Ucchino,** *U.S. Air Force Center for Systems*	8966 - Improving Systems Engineering Curriculum Using a Competency-Based Assessment Approach Ms. Alice Squires, Stevens Institute of Technology	9088 - Enhancing Systems Engineering Competencies in the Enterprise Mr. Gary Roedler, Lockheed Martin Corporation	8789 - Achieving Acquisition Excellence via Improving the Systems-Engineering Workforce Dr. Kenneth Nidiffer, SEI
TRACK 6 System of Systems Mission III	**Dr. Judith Dahman,** *DUSD(A&T) Systems and Software Engineering/MITRE*	9083 - Requirements Engineering for Systems of Systems Mr. Soumya Simanta, SEI	8964 - Software Assurance in a System of Systems World: Interoperability Challenges - Reports from the Field Dr. Carol Sledge, SEI	8969 - An Introduction to Influence Maps: Foundations, Construction, and Use Mr. James Smith, SEI	TRACK 6 System of Systems Mission III	**Dr. Judith Dahman,** *DUSD(A&T) Systems and Software Engineering/MITRE*	9024 - Dynamic Modeling of Programmatic and Systematic Dr. Dan DeLauerntis, Purdue University	8903 - Global Earth Observation System of Systems (GEOSS) Mr. Lawrence McGovern, Northrop Grumman Electronic Systems	8915 - System of Systems Challenges and Solutions: Case Study Insights Mr. John Colombi, U.S. Air Force Institute of Technology
TRACK 5 Human Systems Integration Mission II	**Mr. Stuart Booth,** *ODUSD(A&T) Systems and Software Engineering (SSE)*	8937 - Integrating the Human into the system, integrating HSI Tools into Systems Engineering Dr. Jennifer Narkevicius, Jenius LLC	8872 - Implementation of Human Systems Integration (HSI) within Systems Engineering (SE) for Space System Acquisition Mr. Brian Shaw, The Aerospace Corporation	9064 - Economics of Human Systems Integration: Early Life Cycle Cost Estimation Using HSI Requirements 2ndLt Kevin Liu, USMC, MIT	TRACK 5 Systems Engineering Development Environment Mission II	**Mr. Al Brown,** *The Boeing Company*	8945 - Standards Based Development Environment Mr. Christopher Oster, Lockheed Martin Corporation	8922 - The Role of DoD in Systems Engineering Standards and Models Mr. Donald Gantzer, ODUSD(A&T) Systems & Software Engineering	8844 - The Power of the Spec: Understanding the Many Diverse Roles in SE of Good Specifications & Standards." Mr. Robert Kuhnen, U.S. Air Force

TRACK 4 Practical Systems Engineering Mission I	**Mr. Dana Peterson,** *DRS Technologies, Inc.*	8875 - Tomahawk Weapon System Development and Integration Mr. Gustavo Rivera, Naval Surface Warfare Center, Dahglren Division	8980 - Using Simulink and Model-driven Engineering Techniques for Integrated Flight Simulation Development Mr. Douglas Fiehler, Raytheon Missile Systems	9007 - Technology Maturation for the Automated Aerial Refueling (AAR) Project Mr. Robert McCarty, SynGenics Corporation	TRACK 4 Practical Systems Engineering Mission I	**Mr. Dana Peterson,** *DRS Technologies, Inc.*	8880 - Naval Postgraduate School Advanced Seabase Enabler Project: A Systems Engineering Case Study Mr. Lance Flitter, NSWC, Carderock Division	8888 - Irregular Warfare Analysis: Another Application for Systems Engineering Mr. Karl Selke, Center for Complexity Analysis, LLC	9054 - A-10 Avionics System Architecture Trade Study and Analysis (AVSATA) Program Mr. Richard Sorensen, KIHO Military Acquisition Consulting, Inc.
TRACK 3 Modeling & Simulation Bayview I	**Mr. Gary Belie,** *Lockheed Martin Aeronautics*	8939 - Understanding the New DoD Instruction 5000.61: "DoD Modeling & Simulation Verification, Validation and Accreditation (VV&A)" Mr. Michael Truelove, Systems & Software Engineering	8950 - Live, Virtual, Constructive Architecture Roadmap: The Quest for Interoperability, Standards, and Reuse Dr. Gary Allen, Joint Training Integration & Evaluation Center	9048 - Revisions to the Acquisition Modeling & Simulation Master Plan Mr. Stephen Swenson, ODUSD(A&T) Systems and Software Engineering (SSE)	TRACK 3 Modeling & Simulation Bayview I	**Mr. Gary Belie,** *Lockheed Martin Aeronautics*	8759 - A Systems Engineering Framework for Integrating M&S Development Best Practices Dr. Katherine Morse, Johns Hopkins University/APL	9052 - Best Practices in Contracting for Models, Simulations, and Associated Data Mr. Dennis Shea, CNA	8947 - Report on a Study on Management Concepts for Broadly-Needed Modeling and Simulation Tools in the U.S. Department of Defense Dr. James Coolahan, Johns Hopkins University/APL
TRACK 2 Logistics Systems Bayview II	**Mr. Joel Moorvitch,** *Raytheon Company* and **Mr. Anthony Stampone,** *OSD-ATL*	9063 - An Integrated RAM Approach to System Design and Support Mr. Robert Finlayson, Johns Hopkins University/APL	9031 - Supportability Lessons Learned with Line Replaceable Modules Ms. Heity Hsiung, Raytheon Company	8908 - Successful First AESA Deployment through Application of System Engineering Mr. Chris Moore, Raytheon Company	TRACK 2 Logistics Systems Bayview II	**Mr. Joel Moorvitch,** *Raytheon Company* and **Mr. Anthony Stampone,** *OSD-ATL*	8988 - How to Save Time and Money Using Lean Maintenance Processes Mr. Tim Olson, Lean Solutions Institute, Inc.	9039 - Applying Systems Engineering to Fielded Weapon Systems and End-Items Mr. Michael Ucchino, AF Center for Systems Engineering	9008 - Upgrade Fluid System Filter Element Monitoring To Increase Operational Reliability and Support Condition Based Maintenance Capability Mr. Gary Rosenberg, Constellation Technology Corportation
TRACK 1 Systems Engineering Effectiveness Bayview III	**Mr. Al Brown,** *The Boeing Company*	8887 - Achieving a Systems Engineering Culture in a Science and Technology Laboratory Environment Mr. Robert Rapson, Materials and Manufacturing Directorate, AFRL	8920 - A Methodology for Assessing Systems Engineering Practices Ms. Lauren Levy, Johns Hopkins University/APL	9097 - Acquisition ESOH Risk Management-How to Make It Work Mr. Bob Smith, Booz Allen Hamilton	TRACK 1 Architecture Bayview III	**Mr. Joe Kuncel,** *Northrop Grumman Corporation*	8824 - Delivering DoDAF Version 2.0 to Architects and Systems Engineers for IT Systems and Services Mr. Alan Golombek, Department of Defense CIO, Enterprise Architecture	8831 - Human-Centered Design in Systems Engineering: Human View Methodology Dr. Robert Smillie, SPAWAR	8830 - Systems Engineering Needs of the DoDAF – Report of the Architecture Frameworks Working Group Mr. Joe Kuncel, Northrop Grumman Corporation

THURSDAY, OCTOBER 29, CONCURRENT SESSIONS

TRACK	SESSION CHAIR	1:00 PM	1:35 PM	2:10 PM
TRACK 8 Software Intensive Systems Palm II	**Mr. Paul Croll,** *CSC* and **Mr. Scott Lucero,** *OSD Systems & Software Engineering*	8802 - Open Source Technology for Enterprise Health Management Mr. Edward Beck, CSC	8901 - Review Results of the NDIA/OSD Software Test Summit/Workshop Mr. Thomas Wissink, Lockheed Martin IS&GS	8858 - A Sustainment Approach for Software Sub-systems Mrs. Michele Hana, Lockheed Martin Corporation 0000 - Implementing CMMI on a COTS Modification Effort Mr. Dave Castellano, U.S. Army
TRACK 7 Work Force Development Palm I	**Mr. Don Gelosh,** *DUSD(A&T) Systems and Software Engineering* and **Mr. Mike Ucchino,** *U.S. Air Force Center for Systems Engineering*	8956 - Systems Engineering Approach to Workforce Development Mr. James Miller, U.S. Air Force	9046 - Developing an Introductory Systems Engineering Practitioners Course: "Model-Based Systems Engineering (MBSE) With SysML" Mr. Joseph Wolfrom, Johns Hopkins University/APL	8878 - Advanced Simulation Course for Army Simulation Management Professionals Dr. Gene Paulo, Naval Postgraduate School
TRACK 6 Enterprise Health Management Mission III	**Mr. Howard Savage,** *Savage Consulting* and **Mr. Chris Reisig,** *The Boeing Company*	8815 - Applying Systems Engineering to Operational System Improvements Ms. Ryanne Gentry, Acquisition Logistics Engineering	8842 - Applications in Integrated Diagnostics Mr. Jimmy Simmons, Georgia Tech Research Institute	8884 - Tactical Wheeled Vehicle Integrated Diagnostics Mr Lawrence Osentoski, DRIVE Developments, Inc.
TRACK 5 Systems Engineering Development Environment Mission II	**Mr. Al Brown,** *The Boeing Company*	8967 - Generating Visual and Interactive Output from System Engineering Tools Mr. John Schatz, Systems and Proposal Engineering Company	9015 - Challenges and Benefits of applying ISO STEP Mr. Stuart Booth, ODUSD(A&T) Systems and Software Engineering (SSE)	9059 - Smallsat Conceptual Design Trade and Cost Modeling Tool Dr. Deganit Armon, Advatech Pacific, Inc
TRACK 4 Practical Systems Engineering Mission I	**Mr. Dana Peterson,** *DRS Technologies, Inc.*	8976 - A Systems Engineering Model for Roadmap Alignment Mr. Si Dok, U. S. Army TARDEC	9080 - Rapid Systems Engineering of the MRAP Gunner Restraint System Saves Lives Ms. Michelle Bowen, JPO MRAP	9096 - Application of Static Stability Factor for Tactical Vehicle Rollover Prevention Mr. Alfred Rice, Joint Staff, DDGO Readiness Division
TRACK 3 Modeling & Simulation Bayview I	**Mr. Gary Belie,** *Lockheed Martin Aeronautics*	8836 - Producibility Modeling & Simulation Needs for Early Systems Engineering Evaluations of Alternative Design Concepts Dr. Al Sanders, Honeywell Aerospace	8810 - Using Simulation to Define and allocate probabilistic Requirements Ms. Yvonne Bijan, Lockheed Martin Aeronautics	8923 - Integration of Operational Simulations With Physics-Based Models For Engineering Analysis Mr. Stephen Guest, Lockheed Martin Aeronautics
TRACK 2 Logistics Systems Bayview II	**Mr. Joel Moorvitch,** *Raytheon Company* and **Mr. Anthony Stampone,** *OSD-ATL*	8834 - Tailoring Systems Engineering for Technical Support of Legacy Products Mr. Joseph Skandera, BAE Systems	8837 - Injecting Requirements into Sustainment: UEWR RDA Mr. Jonathan Casey, Raytheon Integrated Defense Systems	9092 - The role of simulation in tracking mobile assets using RFID technology Mr. Swee Leong, National Institute of Standards and Technology
TRACK 1 Architecture Bayview III	**Mr. Joe Kuncel,** *Northrop Grumman Corporation*	9025 - Defining, Assessing, and Improving Architecture Competence Mr. John Klein, Software Engineering Institute	8971 - Advancing Systems Engineering Practice using Model Based System Development Mr. Sanford Friedenthal, Lockheed Martin Corporation	9004 - Evolving Systems Engineering through Model Driven Functional Analysis Dr. Mark Blackburn, Systems and Software Consortium

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