



PROMOTING NATIONAL SECURITY SINCE 1919

12TH ANNUAL SYSTEMS ENGINEERING CONFERENCE

October 26-29, 2009

www.ndia.org/meetings/0870

Hyatt Regency Mission Bay

1441 Quivira Rd
San Diego, CA 92109
Tel: (619) 224-1234



Sessions include:

- *Executive Overview*
- *Systems Engineering Effectiveness*
- *Logistics Systems*
- *Keeping Legacy Systems Viable*
- *Integrated Diagnostics*
- *Best Practices and Standardization*
- *Modeling & Simulation*
- *Test & Evaluation in Systems Engineering*
- *Net-Centric Operations*
- *Software*
- *Affordable Readiness & Reduction of Total Ownership Cost*
- *Education & Training in Systems Engineering*
- *Program Management*



12th Annual Systems Engineering Conference

Program :

Monday - Tutorials

Tuesday - Plenary Sessions

Wednesday - Papers

Thursday - Papers

Two major changes impacted M&S Track this year:

1. Loss of half a day to increased Plenary Session
2. Move of M&S Application papers into other SE tracks

M&S Track :

note: final program not published

- **9 Papers in Thursday's Track, but M&S Applications throughout the other Tracks**

- Michael Truelove *“Understanding the New DoD Instruction 5000.61: “DoD Modeling & Simulation Verification, Validation and Accreditation (VV&A)””* ⁸⁹³⁹
- Dr Gary W Allen *“Live, Virtual, Constructive Architecture Roadmap: The Quest for Interoperability, Standards, and Reuse”* ⁸⁹⁵⁰
- Stephen J Swenson *“Revisions to the Acquisition Modeling & Simulation Master Plan”* ⁹⁰⁴⁸
- Dr. Katherine L Morse *“A Systems Engineering Framework for Integrating M&S Development Best Practices”* ⁸⁷⁵⁹
- Dennis Shea *“Best Practices in Contracting for Models, Simulations, and Associated Data”* ⁹⁰⁵²

(continued)

M&S Track (continued) : note: final program not published

- **9 Papers in Thursday's Track, but M&S Applications throughout the other Tracks**
 - Dr. James E. Coolahan *"Report on a Study on Management Concepts for Broadly-Needed Modeling and Simulation Tools in the U.S. Department of Defense"* ⁸⁹⁴⁷
 - Dr Al Sanders *"Producibility Modeling & Simulation Needs for Early Systems Engineering Evaluations of Alternative Design Concepts"* ⁸⁸³⁶
 - Yvonne Bijan *"Using Simulation to Define and allocate probabilistic Requirements"* ⁸⁸¹⁰
 - Stephen M. Guest *"Integration of Operational Simulations With Physics-Based Models For Engineering Analysis"* ⁸⁹²³



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M&S Tutorial :

note: final program not published

- **Monday Afternoon**

- Dr. Gene Paulo *“Best Practices in Modeling & Simulation”*

M&S Related Papers : note: final program not published

- **Work Force Development –**
 - Dr. Gene Paulo *“Advanced Simulation Course for Army Simulation Management Professionals”* ⁸⁸⁷⁸
- **Architecture –**
 - Sanford Friedenthal *“Advancing Systems Engineering Practice using Model Based System Development”* ⁸⁹⁷¹
- **Practical Systems Engineering –**
 - Douglas Fiehler *“Using Simulink and Model-driven Engineering Techniques for Integrated Flight Simulation Development”* ⁸⁹⁸⁰
 - Gregory Pollari *“SAVI: Aerospace Platform Development and Certification Using Modeling and Simulation to “Integrate, then Build””* ⁹⁰¹⁴

(continued)

M&S Related Papers (continued): note: final program not published

- **System of Systems –**
 - Dr. Jo Ann Lane “*SysML Strategies to Characterize and Analyze Systems of Systems*” 8892
 - Dr. Judith Dahmann “*M&S Support for SoS SE*” 9060
- **Logistics –**
 - Swee Leong “*The Role of Simulation in Tracking Mobile Assets using RFID Technology*” 9092



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Information & Registration

http://www.ndia.org/events/0870/Pages/0870_12thAnnualSystemsEngineeringConference.aspx