

Monday, March 12, 2007

10:00 AM – Conference Registration
5:00 PM

1:30 – 3:00 PM **CONFERENCE TUTORIALS**
Tutorial Sessions are provided free of charge to all those registered for the Conference. Your attendance at these valuable tutorials is encouraged.

TUTORIALS: Sessions T1 – T4

Archer East Ballroom	Tutorial T1. Innovative Acquisition Methodologies in Support of Test & Evaluation Objectives – <i>Mr. Jeffrey Manthos, Program Analyst, GSA</i>
Archer West Ballroom	Tutorial T2. The Critical Link Between Test & Evaluation and Modeling & Simulation – <i>Dr. Mark Kiemele, President and Co-Founder, Air Academy Associates</i>
Danner East Ballroom	Tutorial T3. Reliability Growth Applied to Defense Issues – <i>Dr. Larry Crow, President, Crow Reliability Resources, Inc.</i>
Danner West Ballroom	Tutorial T4. DoD Acquisition Policy on Suitability KPP and Related Issues – <i>Dr. Paul Alfieri, Director of Research, DAU</i>


3:00 – 3:15 PM Tutorial Afternoon Break

3:15 – 5:00 PM TUTORIALS: Sessions T5 – T8 (Continued Sessions)

Archer East Ballroom	Tutorial T5. Innovative Acquisition Methodologies in Support of Test & Evaluation Objectives – <i>Mr. Jeffrey Manthos, Program Analyst, GSA</i>
Archer West Ballroom	Tutorial T6. The Critical Link Between Test & Evaluation and Modeling & Simulation – <i>Dr. Mark Kiemele, President and Co-Founder, Air Academy Associates</i>
Danner East Ballroom	Tutorial T7. Reliability Growth Applied to Defense Issues – <i>Dr. Larry Crow, President, Crow Reliability Resources, Inc.</i>
Danner West Ballroom	Tutorial T8. DoD Acquisition Policy on Suitability KPP and Related Issues – <i>Dr. Paul Alfieri, Director of Research, DAU</i>

5:00 – 6:30 PM Evening Reception/Display Area Open

6:30 PM Display Area Closed for the Day

 **Your attention please:** Survey sheets will be given to every Conference registrant upon arrival. The survey sheets are intended to gather your thoughts and ideas regarding this NDIA T&E Conference. Registrants are requested to thoughtfully complete these surveys and return them to the NDIA desk prior to their departure. The results of these surveys will serve as a basis in planning for future conferences.



The Westin Resort, Hilton Head Island, SC

T&E • T&E • T&E

Tuesday, March 13, 2007

7:00 AM – 8:00 AM Continental Breakfast in the Display Area

7:00 AM – 5:00 PM Conference Registration

– Session A – Session Chair: Mr. James O'Bryon

8:00 AM Call to Order and Remarks – *Mr. Sam Campagna, Director, Operations, NDIA*

8:05 AM Tribute to Our Nation, National Anthem – *Ms. Kera O'Bryon*

8:10 AM Welcome and Conference Introductory Remarks – *Mr. James O'Bryon, Chairman, NDIA Test & Evaluation Division*

8:20 AM



Conference Keynote Address: Assuring Quality and Sustainability in a Competitive Market – *Mr. Keith E. Williams, President & CEO, Underwriters Laboratories*

9:00 AM



Government Keynote Address: Getting Our Arms Around Motivating and Testing for Sustainability – *Honorable Charles E. McQueary, Director, Operational Test & Evaluation, OSD*

9:40 AM

Keynoters' Dialogue – *Mr. Keith E. Williams, President & CEO, Underwriters Laboratories and Honorable Charles E. McQueary, Director, Operational Test & Evaluation, OSD*
(*Audience may submit written questions to either speaker during this period.)

10:05 AM

Morning Break & Networking in the Display Area

– Session B – Session Chair: Mr. James O'Bryon

10:35 AM

OTA's Roundtable: Military Perspectives on Testing for Sustainability and Life Cycle Costing
Chair: *MG James Myles, USA, Commanding General ATEC*
Panelist: *RDML William McCarthy, USN, Commander OPTEVFOR*
Mr. Jerry Kitchen, Commander AFOTEC
COL Michael Bohn, USMC, Commander MCOTEA

12:15 PM

Luncheon

– Session C – Session Chair: Dr. Mark Kiemele

1:30 PM

Statistically-Based Test Optimization Strategies – *Dr. Neal Mackertich, Raytheon Integrated Defense Systems*

2:10 PM

Report from the NDIA Industrial Committee on Operational Test & Evaluation (ICOTE) – *Mr. Larry Graviss, Vice President, Jacobs Technology, Inc.*

2:20 PM

Afternoon Break & Networking in the Display Area

Tuesday, March 13, 2007 – Concurrent Focus Sessions

– Session D –

2:50 – 5:30 PM

Planning & Implementing Systems Engineering/T&E to Address Sustainability

Focus Session D1

ARCHER EAST BALLROOM

Session Chair:
Dr. Anne Hillegas

- FS D1.1 T&E for Verifying Technology Development and Maturation – *Mr. Chris DiPetto, Deputy Director for DT&E, OUSD (AT&L)/SSE*
- FS D1.2 Early Application of Computer Program Systems Integration, Test and Performance Measurement – *Mr. Thomas Sobieralski, CSC*
- FS D1.3 Using Technology Readiness Assessments (TRA's) to Assess the Maturity of Life Cycle Related Technologies – *Dr. Jay Mandelbaum, IDA*
- FS D1.4 Results of FY 2006 Test Resources Management Center Range Encroachment Survey Provided to the August 2006 TRMC Infrastructure Review – *Mr. William Egan, IDA*
- FS D1.5 Test and Training Enabling Architecture, Use to Prototype Joint Mission Environment Test Capability (JMETC) – *Mr. Richard Lockhart, Defense Test Resource Management Center*
- FS D1.6 TRACER: A Tradespace Analysis Framework – *Mr. Gerry Belcher, LMI*

2:50 – 5:30 PM

Reducing Total Cost of Ownership & Realistic Estimates of Reliability

Focus Session D2

BARNWELL BALLROOM

Session Chair:
Mr. Bill Yeakel

- FS D2.1 Low Cost Epoch-by-Epoch Network Centric Positioning Unit (ENPU) for FCS Testing – *Dr. Jeffrey Fayman, Geodetics, Inc. and Dr. Lydia Bock, Geodetics, Inc.*
- FS D2.2 Testing of the GPS SAASM End-to-End Functionality on Operational Weapon Systems Without the Availability of Signal in Space – *Mr. Jim Killian, 46 Test Squadron, Holloman AFB*
- FS D2.4 A Successfully Implemented Coordinated Subsystem Reliability Growth Planning Approach– *Mr. Louis Chenard, Bombardier & Mr. Paul Ellner, AMSAA*
- FS D2.5 Understanding the Combined Influence on Ownership Cost of Reliability, Maintainability, Component Packaging, Commonality, and Process Performance – *Dr. James A. Forbes, LMI*
- FS D2.6 Using Mission Essential Task Lists as a Basis for Mission-Based Operational Test Planning – *Mr. James Carpenter, AVW Technologies*

2:50 – 5:30 PM

Test Technology

Focus Session D3

ARCHER WEST BALLROOM

Session Chair:
Mr. Dick Dickson

- FS D3.1 Hazard Assessment of the SM-3 Block IA Missile – *Mr. William Houchins, NSWC Dahlgren*
- FS D3.2 The Four Element Framework: An Integrated Test & Evaluation Strategy – *Mr. Christopher Wilcox, ATEC, APG*
- FS D3.3 Operability Testing for High Availability Systems – *Mr. Edward Beck, CSC*
- FS D3.5 746 Test Squadron Testing of the Latest Embedded GPS/INS (EGI) Hybrid Navigation System for the F-16 Fighting Falcon – *Mr. Jim Killian, 46 Test Squadron, Holloman AFB*
- FS D3.6 Qualification Testing of the EFSS 120mm Mortar Ammunition – *Mr. Patrick Freemyers, NSWC Dahlgren*
- FS D3.7 Operational Analysis of Modern Condition Based Maintenance (CBM) to Enhance System Sustainability – *Dr. Don Gaver, NPS*

5:30 PM

Afternoon Sessions Adjourn/Display Area Closed for the Day

6:30 PM

NDIA Honors Banquet

Presentation of the Walter W. Hollis Award for Lifetime Achievement in Test & Evaluation

This event is one of the highlights of our NDIA T&E Annual Conference. This year, we again take time to honor an individual who has demonstrated a lifetime commitment and contribution to the honest and realistic conduct of Test & Evaluation in support of the defense of the United States. This year, we are proud to honor such a person: Mr. James F. O'Bryon.

Guest of Honor – Mr. James F. O'Bryon



Mr. James O'Bryon's career began at IBM's R&D Center in NY while still in undergraduate school. Subsequent to this, he took a position in the Actuarial Department of New York Life. The Army drafted him in December 1964 and this moved him into the T&E world. He held RDT&E positions at the Aberdeen Proving Ground from 1965-1986. In 1986, he accepted the position as the first Director, Live Fire Testing in the Pentagon and retired from the Pentagon, November 2001 as Dep. Dir. OT&E/LFT&E, a Deputy Assistant Secretary of Defense position. Jim has an undergraduate math degree and graduate degrees from GWU in Ops Research and from MIT in Electrical Engineering.

Jim has chaired the NDIA T&E Division for 14 years and chaired dozens of national and international T&E Conferences. He has taught T&E at NDU, ICAF, NPS, University of Texas and other places for nearly 20 years and authored over 90 technical reports and 80 open literature articles on T&E and related issues. He has just completed an 800-page book on Lessons Learned from Live Fire Testing and has testified before Congress on several occasions on T&E and Aviation Security. He has received the ADPA Gold Medal, the NDIA Gold Medal, the Arthur Stein Award for Excellence in Live Fire Testing and numerous DoD Awards including two personally presented by two different Secretaries of Defense. He now chairs a Committee of the National Academy of Sciences, as well as serving as a consultant to several commercial and not-for-profit institutions.

Previous Recipients

2006: RADM Bert Johnston, USN(Ret), Wyle Laboratories

2005: Hon Thomas Christie, DOT&E, OSD

2004: Dr. Marion L. Williams, Headquarters AFOTEC

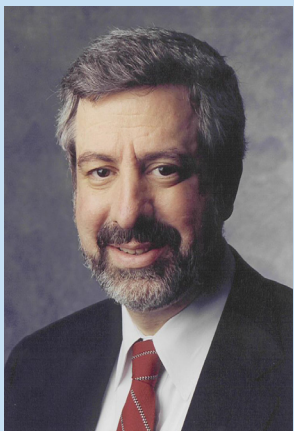
2003: Mr. James W. Fasig, Aberdeen Test Center

2002: Mr. G. Thomas Castino, Underwriters Laboratories, Inc.

2001: Hon Philip E. Coyle, III, DOT&E, OSD

2000: Mr. Walter W. Hollis, Department of the Army

Guest Speaker – Mr. Raymond Daddazio



It is our special privilege to welcome as our guest speaker, Mr. Raymond Daddazio, President, Weidlinger Associates, New York, NY. September 11, 2001 is a day we will always remember, and the scenes of the World Trade Center collapsing is forever etched in our minds.

Many were shocked not only by the aircraft attack against the buildings, but also see them collapse from the attack, resulting in a huge loss of life and property. Weidlinger Associates was called upon to lead the efforts to assess what and how the WTC collapsed and also how to mitigate a repeat of such a failure if future attacks occur on other major structures. Mr. Daddazio will share with us his insights into their analysis and recommendations.



Note: Guests wishing to attend with registrants are welcome to attend this Banquet. However, additional tickets must be purchased at the NDIA desk prior to the Banquet.

Wednesday, March 14, 2007

7:00 AM–
8:00 AM Continental Breakfast in the Display Area

7:00 AM –
5:00 PM Conference Registration

– Session E –
Session Chair: Mr. William Yeakel

8:00 AM Call to Order and Remarks – *Mr. Sam Campagna, Director, Operations, NDIA*

8:05 AM Advancing Survivability – *Mr. Regis Luther, Armor Holdings*

8:35 AM A Concept for Suitability Assessment in Capabilities-Based T&E – *Dr. Vincent P. Roske, Institute for Defense Analyses*

9:05 AM Reliability Growth as Applied to Military Systems – *Dr. Larry Crow, President, Crow Reliability Resources, Inc.*

10:05 AM Morning Break & Networking in the Display Area

– Session F –
Session Chair: Mr. Dick Dickson

10:35 AM Development, Test & Evaluation of Unmanned Ground Vehicles/Robots, VADM *Joseph Dyer, USN (Ret), President and General Manager, iRobot Corporation*

11:15 AM Industry Panel:
Sustainability KPP: Industry Weighs in on Bidding for It and Building for It – *Mr. Steve Zink (For Mr. John Stoddart)*

Past, Present & Future Trends in RM&A – *Mr. Ron Mutzelburg, Vice President, Boeing Phantom Works, DC*

12:00 Noon Annual Awards Luncheon

The Tester of the Year Awards are presented annually to civilian and military personnel supporting all of the military services and OSD. For each military service and OSD, an award is presented to the outstanding defense civilian, outstanding military, and outstanding supporting contractor.

***Note: Guests wishing to attend with registrants are welcome to attend this event. However, additional tickets must be purchased at the NDIA desk prior to the luncheon.*

Tester of the Year Award Winners

Military

*MAJ Michele Patello, USA
Col Rich Stuckey, USAF
Capt Peter Sandness, USAF
LCDR Matthew Rising, USN
Maj James Roudebush, USMC*

Civilian

*Mr. Dana Blankenbiller
Ms. Daria Stafford
Mr. William Pope
Mr. Edward Lee Graham
Mr. Trevor Strand*

Contractor

*Mr. Kenneth Van Allen
Ms. Crystal Villarreal
Mr. Charles Reed
Mr. Jerry Manthei
Mr. Todd Sweeney*

OSD Special Category

ATEC Counterterrorism Test & Evaluation Team

– Session G –
Session Chair: Mr. Jack Sheehan

- 1:15 PM Coping with Reliability, Sustainability and Life Cycle Costs at DHS – *Dr. George Zarur, Science Advisor, Science and Technology, DHS*
- 1:45 PM DT&E Panel: Systems Engineering and DT&E for System Sustainability
Chair: *Col Richard Stuckey, USAF, Principal Assistant Deputy Director for DT&E, OUSD (AT&L)/SSE*
Panelists: *Dr. David Jerome, Deputy Director of Air, Space and Information Operations, AF Materiel Command*
Mr. Ray Lytle, Director, Life Cycle Engineering, Raytheon Missile Systems
Mr. Brian Simmons, Director, US Army Evaluation Center, Army Test & Evaluation Command
- 3:15 PM Afternoon Break & Networking in the Display Area

Wednesday, March 14, 2007 – Concurrent Focus Sessions

– Session H –

3:30 – 5:30 PM **Test Methodology**

Focus
Session H4

BARNWELL
BALLROOM

Session Chair:
Dr. Lowell
Tonnessen

FS H4.1 Revisiting Quantitative Methods for Evaluating Training Programs for Systems Undergoing OT – *Dr. Christopher Hekimian, SAIC*

FS H4.2 Producing Anywhere, Anytime Test, Evaluation and Diagnostics Capable Products to Eliminate the T&E Logistic Burden – *Mr. Ryan Kinney, Agilent Technologies*

FS H4.3 Ship Suitability Testing – Preparing for the Future – *Mr. Steve Fisher, NAVAIR, Patuxent River*

FS H4.4 Innovative Techniques to Solve Measurement and Detection Problems – *Dr. Michael Slocum, Air Academy Associates*

3:30 – 5:30 PM **Test Planning**

Focus
Session H5

ARCHER EAST
BALLROOM

Session Chair:
Mr. Dick
Dickson

FS H5.1 A Continuum of Testing for Military Systems – *Dr. Patricia Jacobs, NPS*

FS H5.2 CTEC (Collaborative Test & Evaluation Capability) and the Event Streaming Media System – *Mr. Reid Johnson, NUWC Keyport*

FS H5.3 Integrated Weapons System Testing – *Ms. Laura DeSimone, NSWC Dahlgren*

FS H5.4 Estimating Durations and Trials to Success in Test Trial Programs – *Dr. Danny Hughes, LMI*

FS H5.5 Operational Testing of Procedures is Critical to Effective Use/Integration of Emerging Capabilities: Report on Joint Space Control Operations – *Col Christian Daehnick, USAF, Negation Joint Test & Evaluation*

3:30 – 5:30 PM **Technology to Reduce Life Cycle Cost**

Focus
Session H6

ARCHER WEST
BALLROOM

Session Chair:
Dr. Anne
Hillegas

FS H6.1 T&E of Electromagnetic Railguns – *Mr. Thomas Boucher, NSWC Dahlgren*

FS H6.2 Cost Efficient Risk Management Through Integrated T&E Throughout the Systems Engineering Life-Cycle – *Mr. Joseph Tribble, AVW Technologies*

FS H6.3 Sustainment of the Deployed Navy Munitions Inventory Through Continuous Quality Evaluation Test & Evaluation – *Mr. Jeffrey Johnson, Navy Indianhead*

Thursday, March 15, 2007

7:00 AM – Continental Breakfast in the Display Area
8:00 AM

7:00 AM – Conference Registration
5:00 PM

– Session I –
Session Chair: Mr. Jack Sheehan

8:00 AM Call to Order and Remarks – *Mr. Sam Campagna, Director, Operations, NDIA*

8:05 AM Suitability – At What Cost? – *Dr. Paul Alfieri, DAU*

8:10 AM Service T&E Executives Speak
Chair: *Mr. Walt Hollis, Former DUSA/OR*
Panelists: *Mr. Dave Duma, Principal Deputy, DOT&E*
Dr. Hank Dubin, Army T&E
Mr. David Hamilton, Deputy Director, AF/TE
Mr. Steven Whitehead, OPTEVFOR

9:05 AM The Costs of Unsuitability and Benefits of Building in Reliability, Availability and Maintainability – *Dr. Ernest Seglie, DOT&E*

9:30 AM Army T&E – Providing Essential Information to an Army at War – *Mr. Brian Simmons, Army DTC*

10:00 AM Morning Break & Networking in the Display Area (Last Opportunity to Visit Displays)

– Session J –
Session Chair: Mr. William Yeakel

10:20 AM Reliability-Based Design, Development and Sustainment – *Dr. Anne Hillegas, Applied Research Associates*

11:15 AM Synthesis Panel^{**}: Actions and Conference Takeaways
Chair: *Dr. Ernest Seglie, Science Advisor, DOT&E*
Panelists: *Mr. Tom Wissink*
Mr. Chris DiPetto, Deputy Director for DT&E, OUSD (AT&L)/SSE
Ms. Diana Echols, Director of Customer Service Technology, Bell Helicopter Textron
Mr. Steven Whitehead, Technical Director, OPTEVFOR

^{**}The discussion of this panel on the overall thrust of the Conference will serve as the basis of a White Paper and an overview article to be published in NDIA's *National Defense Magazine*.

11:55 AM Conference Closing Remarks – *Mr. James O'Bryon, Chairman, NDIA Test & Evaluation Division*

"The Department of Defense finds this event meets the minimum regulatory standards for attendance by DoD employees. This finding does not constitute a blanket approval or endorsement for attendance. Individual DoD component commands or organizations are responsible for approving attendance of its DoD employees based on mission requirements and DoD regulations."

Conference Promotional Partner

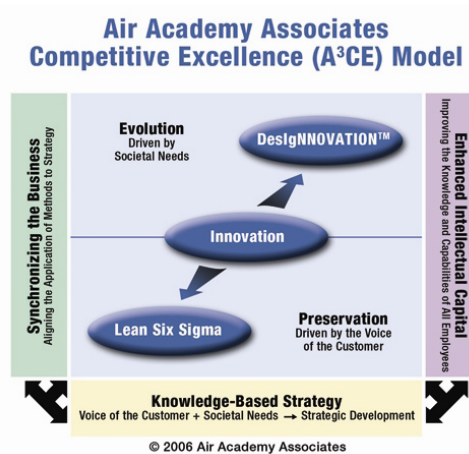


Simplify, Perfect, Innovate

www.airacad.com

Air Academy Associates has been a leader in providing continuous and breakthrough improvements to industry since 1990. We help our clients generate significant Return on Investment by targeting all areas of the organization – development, design, manufacturing, and operations– and using sound business–enhancing methodologies to increase productivity, improve the efficiency of business operations, and provide customer satisfaction at a profit.

Air Academy Associates' Competitive Excellence Model provides our clients with the plan, strategy, and tactics – including the methods, tools, and techniques – needed to preserve market share, profitability, and brand recognition and to enable the client organization to evolve by developing new life cycle curves for new products/services or new generations of products/services. Our A3CE model, which has at its foundation our Knowledge Based Strategy, incorporates Lean, Six Sigma, and Systematic Tactical Innovation as Preservation activities and Design for Six Sigma and Systematic Strategic Innovation as Evolution activities.



Air Academy Associates differentiates itself and provides value to our customers by:

- Educating company leaders in our proven Knowledge–Based Business Strategy which emphasizes Voice of the Customer, Strategic Planning, and Systematic Innovation
- Customizing our support and materials based on the unique needs of the client
- Utilizing mature and experienced consultants who are proficient at problem–solving and who excel as classroom instructors and knowledge transfer agents
- Incorporating advanced methods and techniques such as Robust Design, Tolerance Allocation, Expected Value Analysis, Axiomatic Design, etc., into our programs to optimize current performance and to enhance design and development phases
- Developing supplemental strategic alliances to insure that our clients' needs are met and enabling clients to achieve quick self–sustainability

For assistance in implementing a program of continuous innovation and overall competitive excellence, contact an Air Academy Associates Business Development representative at 1(800) 748–1277.

**See you next year at the 24th Annual
National Test & Evaluation Conference!
Hilton Palm Springs, CA • February 25 – 28, 2008**