33rd Annual Test & Evaluation Conference
Theme: Faster, Cheaper, High Quality Testing

Tuesday, May 15, 2018

7:00 AM – 5:00 PM	Registration

8:00 AM – 12:00 PM   **Facilities Tour- Naval Air Warfare Center**
A guided tour of the test facilities that are critical to Naval Aviation.

1:30 PM – 4:30 PM   **Industrial Committee on Test and Evaluation Meeting**
ICOTE meeting participation is by invitation of the Committee only

Chair: Mike Rabens, Northrop Grumman
Co-chair: Honorable Robert Behler, Director, Operational Test and Evaluation

ICOTE Leaders:
Dr. Brian Hall, Acting DASD(DT&E)
Dr. Steve Hutchison, Director of T&E, Homeland Security

Discussion Topic: The T&E Impacts of Model-based Systems Engineering, Digital Thread/Digital Twin, and Model-based Acquisition

The Tour
Facilities tours are a big part of the annual conference. This year we are delighted to be hosted by the Naval Air Warfare Center. Naval Air Station (NAS) Patuxent River (PAX) is the U.S. Navy's headquarters for the research, development, test and evaluation of all Navy aircraft, aircraft components and related systems needed to carry out their military mission. It supports the Naval Aviation Enterprise in the development and fielding of quality aviation vehicles, weapons systems and related products for the Operating Forces.

Industrial Committee on Test and Evaluation Meeting
The Industrial Committee on Test and Evaluation (ICOTE) is run by the Test & Evaluation Division with a mission to gain feedback from senior industry representatives, discuss OSD and military service policies which affect relationships with suppliers, discuss emerging issues in government and industry which affect the readiness and capabilities of U.S. defense systems, and to cooperate on projects of mutual benefit to the ICOTE participants. Participation is limited to key T&E participants from industry and government and is by invitation only.

NDIA Test and Evaluation Division
The mission is to foster informed dialogue between the private and public sectors on T&E issues, be champions of T&E policies that improve developmental and operational T&E processes and build partnerships between the Defense Industrial Base and the Departments of Defense and Homeland Security around critical T&E issues. The division hosts this annual symposium and quarterly meetings of the Industrial Committee on Test & Evaluation.

Wednesday, May 16, 2018

7:00 AM –5:00 PM	Registration
7:00 AM – 8:00 AM	Networking Breakfast
8:00 AM – 8:15 AM	**Welcome and Introductory Remarks** Joe Manas, T&E Division Chair, Raytheon Leslie Taylor, Executive Director, Naval Air Warfare Center Aircraft Division
8:15 AM – 9:15 AM	**Keynote Address** *Key Focus Areas for The Future Of T&E* The Honorable Robert Behler, Director Operation Test & Evaluation, OSD *The rapid evolution of threats means emphasis on testing of software intensive systems and cybersecurity implications, integrated testing, test infrastructure, workforce and modeling and simulation.*
9:15 AM – 10:00 AM	**Featured Speaker** *The Critical Role of Effective T&E in the Air Force* LTG Arnold Bunch, Military Deputy, Assistant Secretary of the Air Force for Acquisition
10:00AM – 10:30 AM	*Networking Break*
10:30 AM – 11:15 AM	**T&E for the Navy** Navy PEO (TBD)
11:15 AM – 12:00 PM	**T&E for the Army** Mr. David Jimenez, Deputy Under Secretary of the Army/Director of Army Test and Evaluation
12:00 PM – 1:30 PM	**Walter W. Hollis Award Luncheon** *Presentation for Outstanding Lifetime Achievement in Defense Test& Evaluation* - Award Winner: Mr. Dave Duma, Deputy Director, DOT&E, OSD
1:30 PM - 3:00 PM	**Panel: T&E to Meet the Pace of Need Panel** Moderator: Gary Honea, Raytheon Missile Systems - Mr. Carroll P. "Rick" Quade, Deputy for Test and Evaluation, DoN - Dr. Ed Kraft, Associate Director of Research, UTSI - Col Ted "Vader" Dempsey, USAF, 53 Test Management Group Commander - Paul Kratzer, AWS Integration and Verification Department Manager, Raytheon Missile Systems - Ed Burnett, Senior Fellow, Lockheed Martin Company
3:00 PM – 3:30 PM	*Networking Break*
3:30 PM – 5:00 PM	**Hypersonics T&E Panel** Moderator: Larry Graviss - Dr. John Schmisseur – UTSI - Colonel Tim West – AEDC - Dr. Miles Palmer - 8 Rivers Capital
5:00 PM – 6:30 PM	**Networking Reception**

Thursday, May 17, 2018

7:00 AM – 5:00 PM	*Registration*
7:00 AM – 8:00 AM	*Networking Breakfast*
8:00 AM – 8:15 AM	**Welcome and Introductory Remarks** Joe Manas, T&E Division Chair, Raytheon
8:15 AM – 8:50 AM	**Featured Speaker** George Rumford, Test Resource Management Center (TRMC)
8:50 AM – 9:30 AM	**T&E Challenges and Initiatives at DHS** Dr. Steve Hutchinson, Director, Office of Test and Evaluation, Department of Homeland Security (DHS)
9:30 AM – 10:00 AM	*Networking Break*
10:00 AM – 11:15 AM	**Panel: Cyber T&E** Moderator: Kevin Knudsen, Boeing - Mark Bradbury, Raytheon - Brian Hastings, NAWC-AD - Patrick Lardieri, Lockheed Martin - Wayne Dumais, DHS - AJ Pathmanathan, TRMC
11:15 AM – 12:00 PM	**Panel: Autonomous T&E** Moderator: Henry Melton, Northrop Grumman - Dr. Katherine Lemos, Northrop Grumman Corporation (NGC) - Dr. William D'Amico, Johns Hopkins University Applied Physics Laboratory (APL) - Mr. Jeffrey Sappington, Senior T&E Engineer for Interoperability, Naval Air Systems Command (NAVAIR)
12:00 PM – 1:30 PM	**Tester of the Year Luncheon** Recognition of key test and evaluation professionals in each of the Services

Concurrent Sessions
Presentations of selected abstracts on critical T&E topics

	MBSE/ M&S for Test Track	**Autonomous & Best Practices Track**
1:30 PM – 2:00 PM	*MBSE: An Abstraction to Improve Reality* - George Hollenbeck, Raytheon	*Ongoing Science & Technology (S&T) Efforts to Develop Test Tools for Autonomous Systems by the Unmanned and Autonomous Systems Test (UAST) Technology Area* - Jonathan Elliot, UAST Office of TRMC

Thursday, May 17, 2018

	MBSE/M&S for Test Track	Autonomous & Best Practices Track
2:00 PM – 2:30 PM	*The Joint Simulation Environment* - Jeremy Smith, NAVAIR	*Guardian Ground Based Detect and Avoid for Unmanned Aircraft Systems Test and Evaluation Operations* - Shane Murphy, NAVAIR
2:30 PM – 3:00 PM	*The Joint Simulation Environment: Big Data--Analysis and Reporting Tool* - Haley Sibley, Modeling and Interface Branch Head Simulation Division, NAWCAD 5.4.3.5	*Triton Airspace Virtual Environment* - Dr. Stephen O'Day, NAVAIR
3:00 PM – 3:30 PM	*Networking Break*	

	T&E for System-of-Systems Track	Best Practices in T&E Track
3:30 PM – 4:00 PM	*Interoperability, Reusability, and Composability with TENA and JMETC* - Keith Poch, TENA / JMETC	*Capabilities Based Test and Evaluation (CBTE)* - Kenneth Senechal, NAVAIR
4:00 PM – 4:30 PM		*Integrated Operational Evaluation Through In-Stride Evaluations* - Christopher M Wilcox, U.S. Army Test and Evaluation Command
4:30 PM	**Adjourn**	

NDIA reserves the right to change this program at any time without notice