

MONDAY, OCTOBER 2

	7 AM - 5 PM	Lake Fairfax	Speaker Ready Room / Staff Office
			REGISTRATION
	1 PM - 5 PM	Grand Ballroom G	Exhibitor Set-Up

<u>Session</u>	<u>Time</u>	<u>Room</u>	<u>Title of Presentation</u>	<u>Instructor</u>	<u>Organization</u>
(Separate Required) T U T O R I A L S	8 AM To Noon	Grand Ballroom A	Cybersecurity Test & Evaluation	Mr. Pete Christensen	Cyber Support to OSD Programs, The MITRE Corporation
		Grand Ballroom B	How to build a Reliability Growth Program	Mr. Shawn Brady Mr. Wayne Martin	AMSAA, Center for Reliability Growth
		Grand Ballroom C	Processes for Testing with International Partners	Ms. Gloria Deane Mr. Mitchell Dossett Mr. Robert Butterworth	International Programs, DOT&E
		Lake Audubon	Testing 1, 2, 3	Mr. Matt Reynolds	Test and Evaluation Program Management
		LUNCH on your own			
	1 PM to 5 PM	Grand Ballroom A	Test and Evaluation Across the Acquisition Lifecycle	Michael Flynn, PhD, CTEP	Defense Acquisition University
		Grand Ballroom B	Data Science and Its Relationship to Test & Evaluation	Mark Kiemele, PhD	Air Academy Associates
		Grand Ballroom C	Using TENA and JMETC to Reduce Risk, Saving Time and Money	Mr. Gene Hudgins	TENA and JMETC User Support Team Lead, KBRWyle
		Lake Audubon	Identifying Requirements and Vulnerabilities for Cybersecurity	Michael Lilienthal, PhD, CTEP Mr. Patrick Lardieri	Director of Cyber and Navy Programs, EWA Cyber Focus Group Lockheed Martin
		Lake Thoreau	The Art of Planning Preview T&E: Australian Techniques for Early Test Strategies for Technical Maturation and Risk Reduction	Keith Joiner, PhD	Senior T&E lecturer , University of South Wales Canberra

TUESDAY, OCTOBER 3

7 AM - 5 PM		Lake Fairfax	Speaker Ready Room / Staff Office				
7 AM - 7 PM		Grand Ballroom G	REGISTRATION				
7 AM - 7 PM		Grand Ballroom G	Exhibit Hall Open				
<i>Session</i>	<i>Time</i>	<i>Room</i>	<i>Title of Presentation</i>	<i>Speaker</i>	<i>Title</i>	<i>Organization</i>	
Plenary	7:45 AM	Grand Ballroom D	Welcome	Mr. Gene Hudgins	President ITEA	KBR Wyle	
	7:50 AM		Opening Remarks	Mr. Erwin Sabile	Symposium Chair	Booz Allen Hamilton	
	8:00 AM		Opening Keynote	Mr. Dave Duma	Acting Director	Operational Test and Evaluation (OT&E)	
	8:45 AM		Guest Speaker	Steve Hutchison, PhD	Director of T&E DHS	DHS	
BREAK	9:30 AM	Grand Ballroom G	BREAK in Exhibit Hall				
Plenary	10:00 AM	Grand Ballroom D	Featured Speaker	J. Brian Hall, PhD	Acting DASD(DT&E), Deputy Assistant Secretary of Defense for Developmental Test and Evaluation	Office of the Under Secretary of Defense for AT&L	
	10:30 AM		Panel 1 - Acquisition & T&E Workforce				
			Chair: Mr. Wayne Dumais	Test Area Manager	Office of Test and Evaluation, Department of Homeland Security		
			Mr. James C. Cooke	Director	U.S. Army Evaluation Center		
			Mr. Omar Merced	Senior Electronics Engineer	FAA		
			Robin Poston, PhD	Professor and Dept Chair, Business Information & Technology, and Director	Systems Testing Excellence Program, University Memphis		
			Mr. Thomas Simms	Deputy Director, Policy and Workforce Development	DASD DT&E		
			Mr. Ken Stenfanak		DAU		
LUNCH	Noon	Grand Ballroom G	LUNCH in Exhibit Hall				
Plenary	1:00 PM	Grand Ballroom D	Panel 2 - DoD OTA Commander's Panel				
			Chair: Laura Freeman, PhD	Assistant Director of the Operational Evaluation Division at the Institute for Defense Analyses, DOT&E	Institute for Defense Analyses		
			RADM Paul Sohl	Commander	Operational Test & Evaluation Force (COMOPTEVFOR)		
			MG John W. Charlton	Commanding General	U.S. Army Test and Evaluation Command (ATEC)		
			Maj. Gen. Matthew H. Molloy	Commander	Air Force Operational Test and Evaluation Center (AFOTEC)		
COL Mark T. Brinkman	Director	Marine Corps Operational Test and Evaluation (MCOTEA)					

BREAK	3:00 PM	Grand Ballroom G	BREAK in Exhibit Hall		
<u>Session</u>	<u>Time</u>	<u>Room</u>	<u>Title of Presentation</u>	<u>Speaker</u>	<u>Organization</u>
Track 1: Cyber Testing Systems of Systems					
Track 1st Chair: Jeffrey McNeil, PhD - Clemson University					
Track 2nd Chair: Mr. Billy Williams - KBRWyle					
Track 1	3:30 PM	Lake Audubon	<i>Implementation Challenges for Risk Management Framework on RDT&E Systems</i>	Mr. Donald Paul Waters	412 Test Engineering Group
	4:00 PM		<i>Cyber Operational Vulnerabilities Assessment (COVA) Process</i>	Mr. Scott "Gunner" Thompson	Director of Cyber and AF Programs
	4:30 PM		<i>Self-Cleansing Intrusion Tolerance: A new approach to reduce the impact of data breaches</i>	Arun Sood, PhD	George Mason University and SCIT Labs
Track 2: Modeling and Simulation for T&E					
Track 1st Chair: Mr. Phil Hallenbeck, CTEP - The MITRE Corporation					
Track 2nd Chair: Mr. Pete Crump, CTEP, PMP - Georgia Tech Research Institute					
Track 2	3:30 PM	Lake Thoreau	<i>Surrogate Modeling of Stochastic Computer Simulation Data – Identifying Insurgents from a Helicopter Flying Surveillance</i>	Thomas A. Donnelly, PhD, CAP	SAS Institute, Inc.
	4:00 PM		<i>Technologies for Interoperability of Live Fighter Platforms with Virtual & Constructive Simulations for Distributed Test</i>	Mr. Mark Phillips	Lockheed Martin
				Mr. Gilbert Torres	TRMC T&E/S&T
4:30 PM	<i>Joining Forces Beyond Naval Aviation T&E</i>	Mr. Hank Steinfeld Ms. Paola Pringle	Ed Powell Consulting, LLC. Naval Air Systems Command		
Track 3: Autonomous Systems Test & Evaluation					
Track 1st Chair: Mr. Christopher Mazur - TRMC					
Track 2nd Chair: Mr. Thomas O'Brien - TRMC					
Track 3	3:30 PM	Reston A/B/C	<i>Constrained Learning for Assured Autonomy</i>	John Sustersic, PhD	ARL Penn State
	4:00 PM		<i>An Analysis of Autonomous Systems Test Methodology</i>	Mr. Jonathan Elliott	Unmanned Autonomous Systems Test Technology Area TRMC
	4:30 PM		<i>Leveraging CRIIS for LVC testing in O/DT&E</i>	Mr. Jonathon Skarphol	Rockwell Collins
Track 5: Acquisition Reform in Today's T&E Environment					
Track 1st Chair: Mr. Peter De Salvo - The BOEING Company					
Track 2nd Chair: Mr. Karl King - TRIDEUM Corporation					
Track 5	3:30 PM	Grand Ballroom C	<i>Driving a "Team of Teams" Mentality to Thrive in a Complex and Rapidly Changing Environment</i>	Mr. Paul McNamara	The Sente Group, Inc.
	4:00 PM		<i>How T&E Functions in an Acquisition of Capabilities Environment</i>	Ms. Paola Pringle Mr. John Auburn	Naval Air Systems Command
	4:30 PM			<i>Removing Range Boundaries – The Importance of Developing Partnerships and Mobile Systems for "Range-Free" Testing</i>	Mr. Rob Vargo
Track 7: Software Test Systems and Best Practices for T&E					
Track 1st Chair: Mr. Bruce Einfalt - Applied Research Laboratory/PSU					
Track 2nd Chair: Mr. Antwan Phan - SPAWAR					
Track 7	3:30 PM	Town Center A/B	<i>I Don't Believe Your Company is Agile!</i>	Mr. Alex Martins Mr. Jeff Hughes	CA Technologies
	4:00 PM		<i>Using Layered Model-Based Requirements to Achieve Continuous Testing</i>	Mr. Alex Martins Mr. Jeff Hughes	CA Technologies
	4:30 PM			<i>Software Test Automation Engineering</i>	Mr. Andrew Pollner
	5 PM - 7 PM	Grand Ballroom D/E/F/G	Mr. Kevin Gates	Professional Staff Member	House Armed Services Committee
NETWORKING RECEPTION					

WEDNESDAY, OCTOBER 4

7 AM - 5 PM		Lake Fairfax	REGISTRATION				
7 AM - 4 PM		Grand Ballroom G	Speaker Ready Room / Staff Office				
7 AM - 4 PM		Grand Ballroom G	Exhibit Hall Open				
Session	Time	Room	Title of Presentation	Speaker	Title	Organization	
Plenary	7:45 AM	Grand Ballroom D	Day 2 Remarks	Mr. Thomas Treakle	Symposium Technical Program Co-Chair	DeIEMC	
				Mr. Bruce Einfalt	Symposium Technical Program Co-Chair	Applied Research Laboratory/PSU	
	8:00 AM		Keynote	Arun A. Seraphin, PhD	Professional Staff Member	Senate Arms Services Committee	
	8:30 AM		Featured Speaker	Mr. Jaime Figueroa	Deputy Director, WJ Hughes FAA Technical Center	Federal Aviation Administration (FAA)	
	9:00 AM		Panel 3 - Test Range Panel				
			Chair: Ms. Leslie Taylor	Naval Air Warfare Center Aircraft Division / Deputy Assistant Commander for Test and Evaluation	Naval Air Warfare Center Aircraft Division (NAWCAD)		
			Brigadier General Eric L. Sanchez	Commander	White Sands Missile Range (WSMR)		
			Brig. Gen. Carl E. Schaefer	Commander, 412th Test Wing	Edwards Air Force Base		
			Gp Capt Keith F. Joiner (Royal Australian Air Force, Ret., PhD)	CSC	University of New South Wales, Australia		
			Mr. Eric Spigel	Ranges, Engineering and Analysis Department Head	NUWC Division Newport		
Mr. Christopher Smith	Director, Transportation Security Laboratory	DHS					
BREAK	10:30 AM	Grand Ballroom G	BREAK in Exhibit Hall				
Plenary	11:00 AM	Grand Ballroom D	Panel 4 - Modeling and Simulation				
			Chair: I D (Dai) Morris MA, D.Phil, M.Inst.P, C.Phys, Cert. IoD	Head of Capability (Weapons, Evaluation and Capability Assurance)	UK Ministry of Defence		
			Lt. Gen. Robert Walsh	Deputy Commandant for Combat Development and Integration	Marine Corps Combat Development Command		
			Col Joseph Nolan	Deputy Director	U.S. Army Modeling and Simulation Office (AMSO)		
			Jim Clifton, PhD	PM JSF Joint Simulation Environment	NAVAIR		
			Mr. Michael Cohen	Senior Program Officer	Committee on National Statistics		
Syed Mohammad, PhD	S&T	DHS					
	12:30 PM	Grand Ballroom D	2017 T&E Professional Awards Luncheon				

Session	Time	Room	Title of Presentation	Speaker	Organization
Track 1: Cyber Testing Systems of Systems					
Track 1st Chair: Jeffrey McNeil, PhD - Clemson University					
Track 2nd Chair: Mr. Billy Williams - KBRWyle					
Track 1	2:00 PM	Lake Audubon	<i>Automated Attack Framework for Test & Evaluation (AAFT)</i>	Mr. Andrew Shaffer	ARL Penn State
	2:30 PM		<i>Improving Prediction/Detection of Cyber Attacks Using Robust Data Mining Methods</i>	Thomas A. Donnelly, PhD, CAP	SAS Institute, Inc.
	3:00 PM		<i>Just How Much Effort is Required to Assess Cyber in a Complex System of Systems?</i>	Mr. Hank Steinfeld Ms. Paola Pringle	Naval Air Systems Command
Track 2: Modeling and Simulation for T&E					
Track 1st Chair: Mr. Phil Hallenbeck, CTEP - The MITRE Corporation					
Track 2nd Chair: Mr. Pete Crump, CTEP, PMP - Georgia Tech Research Institute					
Track 2	2:00 PM	Lake Thoreau	<i>The "Power" of Risk-Based VV&A</i>	James N. Elele, PhD Mr. David H. Hall	NAVAIR SURVICE Engineering
	2:30 PM		<i>Challenges in Validating Complex Large-Scale Simulations for Operational Test</i>	Karl Kuschner, PhD Jay Smith, Ph.D. Ben Lambert, Ph. D. Mr. Jeremy Smith	Institute for Defense Analyses
	3:00 PM		<i>Integrated Planning of Tactical, Test Support, and Tactical</i>	Mr. Mike DiGennaro	US Army Operational Test Command
Track 3: Autonomous Systems Test & Evaluation					
Track 1st Chair: Mr. Christopher Mazur - TRMC					
Track 2nd Chair: Mr. Thomas O'Brien - TRMC					
Track 3	2:00 PM	Reston A/B/C	<i>Simulation, Experimentation, and Assessment for Collaborative Autonomy in Unmanned Teams</i>	Mr. Don Davis	GTRI
	2:30 PM		<i>T&E of Autonomous Systems: Challenges and Opportunities of Evaluating Trust</i>	Mr. Donald Strausberger	GTRI
	3:00 PM		<i>TBD</i>		
Track 4: Big Data Analytics for T&E					
Track 1st Chair: Ed Powell, PhD - Ed Powell Consulting, LLC					
Track 2nd Chair: Mr. Thomas Treakle - DelliEMC					
Track 4	2:00 PM	Lake Anne	<i>Data Analytics for the T&E Enterprise</i>	Mr. Ryan Norman	TRMC
	2:30 PM		<i>Test Resource Management Center Big Data Analytics / Knowledge Management Architecture Framework Overview</i>	Ed Powell, PhD	Ed Powell Consulting LLC
	3:00 PM		<i>Data Science and Its Relationship to Test & Evaluation</i>	Mark J. Kiemele, PhD	Air Academy Associates
Track 7: Software Test Systems and Best Practices for T&E					
Track 1st Chair: Mr. Bruce Einfalt - Applied Research Laboratory/PSU					
Track 2nd Chair: Mr. Antwan Phan - SPAWAR					
Track 7	2:00 PM	Town Center A/B	<i>Operational Testing of Agile programs in a time of change at DHS</i>	Mr. Wayne Dumais	DHS, DOT&E
	2:30 PM		<i>Automated Software Testing Best Practices and Framework</i>	Mr. Jim Simpson	JK Analytics
	3:00 PM		<i>Best Test Strategies When Setup is Expensive or Time Consuming</i>	Mr. Jim Simpson	JK Analytics
	3:30 PM	Grand	BREAK in Exhibit Hall		
	4:30 PM	Ballroom G	Exhibitor Break-Down		

<u>Session</u>	<u>Time</u>	<u>Room</u>	<u>Title of Presentation</u>	<u>Speaker</u>	<u>Organization</u>
Track 1: Cyber Testing Systems of Systems					
Track 1st Chair: Jeffrey McNeil, PhD - Clemson University					
Track 2nd Chair: Mr. Billy Williams - KBRWyle					
Track 1	4:00 PM	Lake Audubon	<i>DECRE C2IS environment and activities</i>	Mr. Rod Hallum	JS J6
	4:30 PM		<i>TBD</i>	Mr. Dave Aland	DOT&E
	5:00 PM		<i>TBD</i>		
Track 2: Modeling and Simulation for T&E					
Track 1st Chair: Mr. Phil Hallenbeck, CTEP - The MITRE Corporation					
Track 2nd Chair: Mr. Pete Crump, CTEP, PMP - Georgia Tech Research Institute					
Track 2	4:00 PM	Lake Thoreau	<i>TRMC LVC Framework</i>	Mr. Ryan Norman	TRMC
	4:30 PM		<i>New Simulation Techniques for Warfighter Systems T&E</i>	Mr. Gilbert Torres	TRMC T&E/S&T
	5:00 PM		<i>Modeling and Simulation for Undersea System Concept Development, Test, and Evaluation</i>	Ms. Marsha Perini	ARL Penn State
Track 4: Big Data Analytics for T&E					
Track 1st Chair: Ed Powell, PhD - Ed Powell Consulting, LLC					
Track 2nd Chair: Mr. Thomas Treacle - DellEMC					
Track 4	4:00 PM	Lake Anne	<i>DOE vs Big Data Analytics: Synergists or Antagonists</i>	Mark J. Kiemele, PhD	Air Academy Associates
	4:30 PM		<i>Big Data in Test and Evaluation</i>	Mr. James Feight	Aberdeen Test Center
	5:00 PM		<i>TBD</i>		
Track 6: T&E/S&T Innovations and Emerging Threats					
Track 1st Chair: Mr. Geoff Wilson, TRMC					
Track 2nd Chair: Mr. Andrew Shaffer - Applied Research Laboratory/PSU					
Track 6:	3:30 PM	Grand Ballroom A	<i>A Graded Approach to T&E of Counter-Unmanned Aerial Systems</i>	Mr. Camron Kouhestani	Sandia National Laboratories
	4:00 PM		<i>Certification and Evaluation Approach for Counter Unmanned Aerial Systems</i>	Mr. Camron Kouhestani	Sandia National Laboratories
	4:30 PM		<i>Development of a New Test and Evaluation Capability to Assess Survivability in Under-Body Blast Events</i>	Mr. Frederick Hughes	US Army Research Laboratory
				Ms. Patricia Riipa	Strategic Communications
		Mr. Michael Landers	PdM Medical Simulation		
Track 8: International Partnering in T&E					
Track 1st Chair: Mr. Greg Simmons, Department of Homeland Security					
Track 2nd Chair: TBD					
Track 8	4:00 PM	Grand Ballroom C	Mr. Neil E. Meister	Technical Director for Polar Icebreaker Acquisition Program	United States Coast Guard (CIV)
	4:30 PM		James P. Millan, PhD	Director of Research and Development Ocean	Coastal and River Engineer
	5:00 PM		<i>TBD</i>		

THURSDAY, OCTOBER 5

REGISTRATION							
Speaker Ready Room / Staff Office							
Session	Time	Room	Title of Presentation	Speaker	Title	Organization	
Plenary	7:45 AM	Grand Ballroom D	ITEA Annual Meeting	Mr. Gene Hudgins	ITEA President	KBRWyle	
	8:00 AM		Featured Speaker	Mr. Paul Mann	Principal Deputy (Acting)	Test Resource Management Center (TRMC)	
	8:30 AM		Panel 5 - Cybersecurity				
			Chair: Mr. William Redmond		Deputy		AFOTEC
			Paul Waters, PhD		Technical Director		412 Test Engineering Group
			K. Mitch Crosswait, PhD		Deputy Director, Net-centric, Space and Missile Defense Systems		Office of the Secretary of Defense-Director, Operational Test and Evaluation
			Mr. James Wells		Deputy Director, Cyberspace & Enterprise Programs		DHS Office of T&E
Mr. Rick Quade		N94B		OPNAV			
BREAK	9:30 AM	Lobby	BREAK				
Plenary	10:00 AM	Grand Ballroom D	Featured Speaker	Ms. Denise De La Cruz	Deputy Director T&E Range Oversight	TRMC, Office of the Under Secretary of Defense, for Acquisition, Technology and Logistics	
	10:30 AM		Panel 6 - Space Panel				
			Chair: Mr. Steve Kremer		Advanced Projects Office		NASA/GSFC's Wallops Flight Facility
			Robert L. Bayt, PhD		Verification and Validation Manager		NASA Commercial Crew Program
			Mr. Daniel Hicks		CEO		Spaceport America
	Robert E. Lindberg Jr., Eng.Sc.D.		Vice President, Products and Programs		Vector Launch		
	Noon		Closing Keynote	Mr. Dave Duma	Principal Deputy Director		Operational Test and Evaluation (OT&E)
12:45 PM	Closing Remarks	Mr. Erwin Sabile	Symposium Chair		BAH		
	1 PM - 5 PM	Lake Fairfax A	<i>Certified Test and Evaluation Professional (CTEP) Examination Session</i>				
BOX LUNCH for Tutorial Attendees							
T U T O R I A L S (S e p a r a t e d F e e)	1 PM to 5 PM	Grand Ballroom A	<i>Real-World DOE and Modern Design and Analysis Methods</i>		Thomas A. Donnelly, PhD, CAP	SAS Institute Inc.	
		Grand Ballroom B	<i>Planning and Executing Cyber Table Tops, Facilitator Training</i>		Ms. Sarah Standard	Cybersecurity / Interoperability Technical Director, OSD AT&L	
					Ms. Christa Pettie	Cybersecurity Systems Analyst, OSD AT&L TRMC	
Grand Ballroom C	<i>Test and Evaluation Science and Technology</i>		Mr. George Rumford	Deputy Director, Major Initiatives and Technical Analyses, DoD TRMC, AT&L, and Program Manager for the T&E/S&T Program			