

2019 LVC and Agile Workshop
Accelerating Test and Evaluation with Live-Virtual-Constructive and Agile

TUESDAY, SEPTEMBER 17

<u>Session</u>	<u>Time</u>	<u>Title of Tutorial</u>	<u>Instructor</u>	<u>Organization</u>	
T U T O R I A L S (S e p a r a t e d F e e)	8 AM To Noon	<i>Using Design of Experiments to Accelerate the Knowledge Gain from Test Data</i>	Steven Gordon, PhD	Georgia Tech Research Institute (GTRI)	
		<i>Accelerating Cybersecurity Test and Evaluation</i>	Mr. Alex Hoover	Department of Homeland Security (DHS)	
		<i>Integrating Systems Engineering, Agile, DevSecOps, and Test and Evaluation</i>	Dave Brown, PhD, CTEP	The MITRE Corporation	
			Dave Bell, PhD	The MITRE Corporation	
	<i>Verification and Validation: Accelerating T&E through Application of Credible Models and Simulations</i>	Ms. Simone Youngblood	The Johns Hopkins Applied Physics Laboratory (JHU/APL)		
	LUNCH on your own				
	1 - 5 PM	<i>Accelerating Cybersecurity in Acquisition</i>	Mr. Pete Christenson, CTEP	The MITRE Corporation	
		<i>Using TENA/JMETC to Improve the Test and Training Process</i>	Mr. Gene Hudgins	KBR	
		<i>How to Plan Test Strategy for Agile Development in a Government Framework</i>	Mr. Hans Miller	The MITRE Corporation	
			Ms. Colleen Murphy	The MITRE Corporation	
<i>Introduction to Agile Test and Evaluation</i>	Ms. Jennifer "Jenny" Rekas	The MITRE Corporation			

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WEDNESDAY, SEPTEMBER 18

10:00 AM - 7:30 PM					
Exhibit Hall Open					
Session	Time	Description	Speaker	Title	Organization
Plenary	8:00 AM	Opening Ceremony	COL Bill Keegan, USA (Ret)	President ITEA	Equator Corporation
		Presentation of the Colors	Army ROTC		University of Central Florida
		Singing of the National Anthem	Ms. Jennifer Johnson		Disney Vacations
	8:10 AM	Welcome	Steve "Flash" Gordon, PhD	Workshop Chair	Georgia Tech Research Institute
	8:20 AM	Opening Remarks	Dave Brown, PhD, CTEP	Deputy Workshop Chair	The MITRE Corporation
	8:30 AM	Opening Keynote Speaker	Mr. Alan Shaffer	Deputy Undersecretary of Defense for Acquisition and Sustainment	Department of Defense (DoD)
	9:00 AM	Guest Speaker	Mr. Gary Frost	Synthetic Training Environment Cross Functional Team Deputy Director	United States Army
	9:15 AM	Guest Speaker	Mr. Bob Potter	Cross-Functional Teams Integrator, ATEC Mission Command and Integration Division	Army Test and Evaluation Command (ATEC)
	9:30 AM	Featured Speaker	Mr. Terry Carpenter	Service Development Executive and Program Executive Officer	DISA
10:00 AM					
BREAK					
Plenary	10:30 AM	Panel: DoD Programs Using Agile			
		Moderator: Dave Brown, PhD, CTEP	Principal	The MITRE Corporation	
		Amy Henninger, PhD	Senior Advisor for Software and Cybersecurity to the Director, Operational Test and Evaluation	Director, Operational Test and Evaluation (DOT&E)	
		Mr. Chris DeLuca	Director, Space, Cyber and Information Systems Division	Office of the Under Secretary of Defense for Research and Engineering (USD(R&E)) /Director, Developmental Test & Evaluation (DT&E)	
		Ms. Hi-Young (Heidi) Cotter	Program Manager (PM)	National Background Investigation Services (NBIS)	
		Ms. Jenny Rekas	MITRE T&E Support to the National Background Investigation Services	The MITRE Corporation	
		Mr. Thomas Hartzell	Chief Development Tester (CDT) for Air Force Maintenance, Repair, and Overhaul Initiative (MROi)	U.S. Air Force	
		11:45 AM	Technical Program Overview	Mr. Mark Phillips	Technical Program Chair
	12:00 PM				
LUNCH					

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<u>Session</u>	<u>Time</u>	<u>Description</u>	<u>Speaker</u>	<u>Title</u>	<u>Organization</u>
Plenary	1:15 PM	Afternoon Keynote Speaker	Mr. Dave Duma	Principle Deputy Director, Operational Test and Evaluation (OT&E)	Director, Operational Test and Evaluation (DOT&E)
	1:45 PM	<i>Application of Agile Test and Evaluation Methods to Align with Accelerated System Development</i>	Mr. Tim Bishop, SES	Deputy Program Executive Officer, Simulation, Training, and Instrumentation	United States Army
	2:15 PM	Featured Speaker	Mr. Robert "Rob" Tamburello	Deputy Director, National Cyber Range Complex	Test Resource Management Center (TRMC)
2:45 PM		BREAK			
<u>Session</u>	<u>Time</u>	<u>Title of Presentation</u>	<u>Presenter</u>	<u>Organization</u>	
Capabilities Based T&E, Cyber, and Flight Test					
Session 1st Chair: Mr. Craig Hatcher - Edwards AFB, USAF					
Session 2nd Chair: Mr. Kevin McGowan - 47th Cybersecurity Test Squadron, Eglin AFB, USAF					
Technical Session	3:30 PM	<i>NAVAIRs Implementation of Capabilities-Based Test and Evaluation</i>	Mr. Kenneth Senechal Ms. Lori Jameson	NAVAIR	
	4:00 PM	<i>Cyber Testing in a Rapid DOD Acquisition Environment</i>	Mr. Kevin McGowan	COLSA Corporation	
	4:30 PM	<i>A Conceptual Framework for Flight Test Management and</i>	Mr. Craig A. Hatcher	U.S. Air Force	
Reliability, Automated Testing, and Flight Test					
Session 1st Chair: Mr. Doug Stewart - 321 Gang					
Session 2nd Chair: Mr. Robert Lutz, Johns Hopkins University/Applied Physics Laboratory					
Technical Session	3:30 PM	<i>Ensuring Reliability for Middle Tier Acquisition Programs</i>	Ms. Melanie Goldman	CCDC Data & Analysis Center	
	4:00 PM	<i>Automated Testing in Aircraft ASD</i>	Mr. Bryan Kelly	U.S. Air Force	
	4:30 PM	<i>Flight Test Data Analysis Process Improvement</i>	Mr. Austin Ruth	Georgia Tech Research Institute (GTRI)	
Agility, Ranges, and Lessons of Past Programs					
Session 1st Chair: Mr. Steve Gordon, PhD - Georgia Tech Research Institute					
Session 2nd Chair: Mr. Karl King - TENA SBA					
Technical Session	3:30 PM	<i>Not So Technical, But Yet Key: Attaining T&E Agility by</i>	Ms. Rosa R. Heckle	The MITRE Corporation	
	4:00 PM	<i>Test & Evaluation Regime for Woomera Test Range</i>	Vivek Chanana, PhD	Royal Australian Air Force	
	4:30 PM	<i>Lessons from Past Rapid Acquisition Programs</i>	Lindsey Davis, PhD	Institute for Defense Analysis	
AI, Cyber, and Big Data for Nuclear					
Session 1st Chair: Mr. Himanshu Upadhyay, PhD - Florida International University					
Session 2nd Chair: Mr. David Pyne - Georgia Tech Research Institute					
Technical Session	3:30 PM	<i>Introduction to Artificial Intelligence</i>	Tushar Bhardwaj, PhD	Florida International University	
	4:00 PM	<i>Artificial Intelligence Platform of Cyber Threat Automation and Monitoring (CTAM) System</i>	Himanshu Upadhyay, PhD	Florida International University	
	4:30 PM	<i>Deep Learning with Big Data Analytics for Nuclear Decommissioning Application</i>	Mr. Roger Boza	Florida International University	
5:00 PM - 7:00 PM		NETWORKING RECEPTION			

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THURSDAY, SEPTEMBER 19

10:30 AM - 4:00 PM		Exhibit Hall Open				
<u>Session</u>	<u>Time</u>	<u>Description</u>	<u>Speaker</u>	<u>Title</u>	<u>Organization</u>	
Plenary	8:00 AM	Day 2 Remarks	Mr. Mark Phillips	Workshop Technical Program Chair	Raytheon T&E Fellow	
	8:20 AM	Overview and Introduction of the Keynote	Steve Gordon, PhD	Workshop Chair	Georgia Tech Research Institute	
	8:30 AM	Morning Keynote Speaker	Steve Hutchison, PhD	Director of Test and Evaluation	Department of Homeland Security	
	9:00 AM	Agile Supporting T&E Panel				
		Moderator: Robin Poston, PhD		Professor and Dean of the Graduate School		System Testing Excellence Program, University of Memphis
		Mr. Wayne Dumais		Deputy Director, Immigration and Border Security Programs Office of Test & Evaluation Science & Technology Directorate		Department of Homeland Security
		Dean Ptaszynski , PhD		Manager, Enterprise Document Management and Services Development		FEDEX
		Jignya Patel, PhD		Assistant Professor of Information Systems College of Business		Florida Institute of Technology
		Mr. Robert Aguilera		Senior Vice President		Garud Technology
	Mr. Tim Sienrukos		Network Communications Branch, ANG-E65 Enterprise Services Test & Evaluation Division, ANG-E6		Federal Aviation Administration (FAA)	
BREAK	10:00 AM	BREAK				
<u>Session</u>	<u>Time</u>	<u>Description</u>	<u>Speaker</u>	<u>Title</u>	<u>Organization</u>	
Plenary	10:30 AM	Integrating Government Independent T&E with an Agile Process Panel				
		Moderator: Mr. Hans Miller		Principal T&E SME, OSD Programs		The MITRE Corporation
		Mr. John Hartford		Director, C4I and Space, Commander, Operational Test and Evaluation Force (COMOPTTECFOR)		Naval Information Warfare Systems Command
		Mr. Jeffrey Bobrow		Assistant Chief of Staff for the C4I and Space Warfare		Commander, Operational Test & Evaluation Force (COMOPTTEVFOR)
		Lt Col Barbara Ziska, USAF		Commander, 605th Test and Evaluation Squadron, USAF Air Warfare Squadron, ACC		United States Air Force
	Lt Col Karlos Tungol		Commander, 45th Test Squadron, USAF Test Center, AFMC		United States Air Force	
11:30 AM	Morning Guest Speaker	Major General Matthew "Zap" Molloy, USAF (Ret'd)	Director of Business Development	DellEMC		
12:00 PM	Lunch					

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<u>Session</u>	<u>Time</u>	<u>Title of Presentation</u>	<u>Presenter</u>	<u>Organization</u>
Agile Autonomous Mudbucket T&E Innovation				
Session 1st Chair: Mr. Jon Skarphol - Collins Aerospace				
Session 2nd Chair: Mr. Mike Naes - Georgia Tech Research Institute				
Technical Session	1:15 PM	<i>CRIIS & Agile SW Development for T&E</i>	Mr. Brian Hulet	Collins Aerospace
	1:45 PM	<i>LVC-Enabled Testing Environment for Autonomous Aircraft</i>	Mr. Jon Skarphol	Collins Aerospace
	2:15 PM	<i>Mudbucket - The LVC Appliance</i>	Mr. Matt Henderstrom	CTSi
	2:45 PM	<i>Self Service Infrastructure Environment for Next Generation High Performance Test and</i>	Mr. Charles "Chuck" Reynolds	Technical Systems Integrators
Technical Session: Web-Based Tool and LVC²				
Session 1st Chair: Mr. Robert Lutz, Johns Hopkins University/Applied Physics Laboratory				
Session 2nd Chair: Mr. Doug Messer - International Test and Evaluation Events Chair				
Technical Session	1:15 PM	<i>Cost of T&E: Implementation of TEMP Part Four Web-Based</i>	Mr. Michael Said	US Navy
	1:45 PM	<i>Using LVC in Test Design</i>	Mr. Huat Ng	KBR
	2:15 PM	<i>The LVC Continuum for Test & Evaluation</i>	Mr. Robert Lutz	Johns Hopkins University/Applied Physics Laboratory
	2:45 PM	<i>TBA</i>		
TENA-LVC, Agile for FAA, and Navy M&S Reuse				
Session 1st Chair: Karl King - TENA SBA				
Session 2nd Chair: Mr. Xi Guo - Georgia Tech Research Institute				
Technical Session	1:15 PM	<i>TENA LVC Model Collection</i>	Mr. Jim Bak	GBL
	1:45 PM	<i>Use of Agile in the FAA</i>	Mr. Timothy Sienrukos	Federal Aviation Administration (FAA)
	2:15 PM - 3:15 PM	<i>M&S Reuse in the Navy: A Conceptual Framework for Flight Test Management and Execution Utilizing Agile Development</i>	Ms. Rachael Orzechowski	SimVentions
Speakers				
<u>Session</u>	<u>Time</u>	<u>Speakers</u>	<u>Title</u>	<u>Organization</u>
Student Session	1:30 PM	Careers in Test & Evaluation Panel		
		Moderator: Mr. Mark Phillips	Workshop Technical Chair, Test and Evaluation Fellow	Raytheon
		Major General Matthew "Zap" Malloy, USAF (Ret'd.)	Director of Business Development	DellEMC
		Dave Brown, PhD, CTEP	Workshop Deputy Chair	The MITRE Corporation
		Mr. Tom Treakle	Client Solutions Director for DoD Programs	DellEMC
		Robin Poston, PhD	Director	System Testing Excellence Program, University of Memphis
		Lindsey Davis, PhD	Supporting the Director, Operational Test and Evaluation	Institute for Defense Analyses (IDA)
		Mr. Austin Ruth	Research Engineer I	Electronic Systems Lab, Georgia Tech Research Institute (GTRI)
BREAK	3:15 PM	BREAK		

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<i>Plenary</i>	3:45 PM	Featured Speaker	Mr. Alex Hoover	Deputy Director of Cybersecurity Engineering	Department of Homeland Security (DHS)
	4:15 PM	Technical Program Review	Mr. Mark Phillips	Workshop Technical Program Chair, T&E Fellow	Raytheon
	4:30 PM	Workshop Summary	Steve Hutchison, PhD	Director of Test and Evaluation	Department of Homeland Security (DHS)
	5:00 PM	Workshop Conclusion	Dave Brown, PhD, CTEP	Deputy Chair	The MITRE Corporation
			Steve "Flash" Gordon, PhD	ITEA Central Florida Chapter President and Chair	Georgia Tech Research Institute (GTRI)