



Agenda - Day 1

12th Annual Verification and Validation Summit

Wednesday, September 13, 2017		
Time	Topic	Speaker(s)
8:00-9:00 am	Check-in and Refreshments	
9:00-9:15 am	Welcome to V&V Summit – Opening Remarks	John Frederick FAA, Manager, V&V Strategies & Practices Branch, ANG-E5A
9:15-9:30 am	Achieving Complexity Consciousness	Shelley J. Yak FAA, Director, William J. Hughes Technical Center, ANG-E
9:30-10:15 am	Joint Simulation Environment (JSE) and Accreditation	William C. Redmond United States Air Force, Executive Director, Air Force Operational Test and Evaluation Center (AFOTEC)
10:15-10:45 am	Addressing the Complexity Challenge with Adaptive Verification and Validation	Wilson N. Felder, Ph.D. Stevens Institute of Technology, Industry Professor and Director, Systems Engineering Research Center's Doctoral Fellows Program
10:45-11:00 am	Break	
11:00-11:30 am	Measuring Complexity for System Safety Assurance	Sarah Sheard, Ph.D. Carnegie Mellon University Software Engineering Institute, Senior Engineer
11:30-12:00 pm	V&V Analysis and Visualization Tools using Model Based Systems Engineering (MBSE)	Timothy K. Brady NASA Engineering and Safety Center, NASA Johnson Space Center
12:00-1:30 pm	Lunch and Networking on Your Own	
1:30-1:45 pm	#1 Video: "Systems Thinking: A Little Film About a Big Idea" Cabrera Research Lab	
1:45-2:15 pm	Time, Speed, Spacing Methods for Flow Management	Ryan C. Chartrand NASA Langley Research Center, Research Directorate, Crew Systems and Aviation Operations Branch
2:15-2:45 pm	Agile Test & Evaluation: Progression of a Traditional Test Strategy to a Modified Agile Test Strategy	Eric Hoover FAA, NWP Lead Test Director, Aeronautical & Weather Services Verification Branch, ANG-E67
2:45-3:00 pm	Break	
3:00-3:10 pm	#2 Video: "Digital Twins: Data Modeling Eliminating Unplanned Downtime" Mark Grabb and Matt Nielsen & "Minds + Machines: Meet a Digital Twin" Colin J. Parris, Ph.D.	
3:10-3:40 pm	Vision of Enhanced Traceability in NextGen	Kimberly Gill FAA, Division Manager, NAS Enterprise Architecture & Requirements Services Division, ANG-B1
3:40-4:10 pm	Managing Stakeholder Involvement	Robert X. Williams, PMP Veracity Engineering, Senior Program Manager, ATC
4:10-4:30 pm	Wrap up, questions	John Frederick FAA, Manager, V&V Strategies and Practices Branch, ANG-



Agenda – Day 2

12th Annual Verification and Validation Summit

Thursday, September 14, 2017		
Time	Topic	Speaker(s)
8:00-8:30 am	Check-in and Refreshments	
8:30-8:40 am	Welcome – Day 2	John Frederick FAA, Manager, V&V Strategies & Practices Branch, ANG-E5A
8:40-9:10 am	Trajectory Based Operations	Pamela Whitley FAA, Deputy Assistant Administrator for NextGen, ANG-2
9:10-9:50 am	Human Factors in Action	Carla A. Hackworth, Ph.D. FAA, Division Manager, Aerospace Human Factors Research Division, AAM-500
9:50-10:05 am	Break	
10:05-10:35 am	Safety in the ATO: Integrating Safety with Verification and Validation	Mark DeNicuolo FAA, Director of Safety, AJI-1 FAA, Director, Policy & Performance, AJI-3
10:35-11:05 am	Space Vehicle Operations: Integrating Commercial Space in the NAS	Philip Bassett FAA, NextGen Advanced Concept Development and Validation, ANG-C54
11:05-11:20 am	Break	
11:20-11:36 am	#3 Video: “The Astounding Athletic Power of Quadcopters” Raffaello D’Andrea	
11:36-12:15 pm	Drone Package Delivery: Newest Member of the Supply Chain	Adam C. Greco FAA, Support Services Section, ANG-E312
12:15-12:30 pm	Wrap up, questions	John Frederick FAA, Manager, V&V Strategies & Practices Branch, ANG-E5A