Systems Engineering Technical Specialists' Meeting on Managing Conflicting Requirements 2015

Huntsville, Alabama, USA 14 – 15 September 2015

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Systems Engineering Specialists' Meeting University Center, UAH Huntsville, AL

Monday, 14 September 2015	
Time	
1100-1300	Attendee Registration
1100-1300	Presentation Material drop-off for Authors
1300-1315	Welcome by Chapter President - Mr. Ed Martin
1315-1330	Meeting Objectives by Technical Chair - Debra Curry
1330-1415	Keynote Address - Robert Sheibley
	Deputy Project Manager for Improved Turbine Engine - Future Vertical Lift
1415-1430	Break
	Session I - Cost and Value
	Session Chair - Bryan Mesmer
1430-1500	Improving Rotorcraft Designs for Production and O&S Cost and Throughout the Product Life Cycle - Kiviat 1
1500-1530	Closing the Gap between Capability and Affordability for System Upgrades and Major-Modifications - Ashok 21
1530-1600	Rotorcraft Applications of Life-Cycle Cost Models Incorporating Reliability - Scott 24
1600-1630	Rotorcraft Tradespace Exploration considering Cost and Availability - Fiondella 38
1630-1700	Sizing and Synthesis Approach for a Hybrid Unmanned VTOL System - Ashok 52
1700-1830	Social
T	Tuesday 15 September 2015
Time	Augustus Burdanadus
0730-1200	Attendee Registration
0730-1200	Presentation Material drop-off for Authors
0800-0815	Welcome by Technical Chair - Debra Curry
	Session II - Conflicting Requirements
0045 0045	Session Chair - Debra Curry
0815-0845	A Systems Engineering Approach to Trading Conflicting Requirements - Collins 64
0845-0915	Conflicting Requirements: The First Ones Turn You Down and The Remaining Ones Kill You Softly - Salado 73
0915-0945	A Development Assurance Value-Based Acquisition (DAVBA) Model To Address Identified Current Systems Engineering Topics of Particular Interest - Schrage 83
0945-1015	Risk Management and Technology Considerations in Rotorcraft Product Development - Saunders 95
1015-1030	Break
1030-1100	National Networked Resource for Systems Research - Dinesh Verma
1100-1200	Lunch
	Session III - Integration and Architecture
	Session Chair - Bryan Mesmer
1200-1230	Recent Development of the SAVI Virtual Integration Process - Kerstetter 111
1230-1300	Enabling Flexible Design of Unmanned Aerial Vehicles by Network-Based Analysis of Modular System Architectures - Avnet N/A
1300-1330	Open Architecture - Ballester 130
1330-1400	AMRDEC Avionics Reference Embedded System (ARES) - York 138
1400-1415	Break
1415-1445	Keynote Address - Renee Cox
1410-1440	Chief Engineer, Systems Engineering Marshall Space Flight Center
	Session IV - Model Based Systems Engineering
	Session Chair - Debra Curry
1445-1515	Next-Generation Model-Based Systems Engineering Processes and Tools N/A supporting the Airworthiness efforts of Cyber Physical Systems (CPS) - Arterburn
1515-1545	End-Users of Rotorcraft Systems and Modeling their Decisions - Mesmer N/A
1545-1615	Model-Based Systems Engineering (MBSE), Multi-Disciplinary Design Analysis and Optimization (MDAO), and Multi-Criteria Decision Making techniques - Balestrini-Robinson 143
1615	Closing Remarks by Chapter President - Mr. Ed Martin
1630	Adjourn
1000	Aujouiii