



Agenda

December 4, 2014

Registration, Breakfast and Welcome				
7:00a-8:00a	Research Council Breakfast meeting, Le Pain Quotidien, 433 Massachusetts Avenue NW, Washington, DC			
8:00a-8:45a	Registration (Floor 1); Continental Breakfast (Atrium)			
8:45a-9:00a	Welcome (Auditorium)			
Sponsor Perspective and Challenges				
9:00a-9:30a	Keynote Address (Auditorium) <i>Mr. Stephen P. Welby, Deputy Assistant Secretary of Defense for Systems Engineering Office of the Assistant Secretary of Defense for Research and Engineering</i>			
State of the SERC				
9:30a-9:45a	SERC Progress and Strategic Direction (Auditorium) <i>Dr. Dinesh Verma, SERC Executive Director and Dean of the School of Systems and Enterprises, Steven Institute of Technology</i>			
9:45a-10:00a	Transition Break (C1 Landing/Atrium)			
Research Reviews: Four parallel tracks with 40-minute sessions providing in-depth discussions on SERC research projects			Human Capital Development	SE and Systems Management Transformation
	(Auditorium)	(Room C224)	Enterprise and Systems of Systems	Trusted Systems
			(Room C204)	(Room C225)
10:00a-10:45a	Helix - Understanding How to Develop Effective Systems Engineers <i>Art Pyster, Stevens</i>	Interactive Model-Centric Systems Engineering <i>Adam Ross, MIT</i>	ilities Tradespace and Affordability Project (ITAP) <i>Barry Boehm, USC Russell Peak, GTRI</i>	Progress Towards an Analytic Workbench for System of Systems Architectures <i>Dan DeLaurentis, Karen Marais, Purdue</i>
10:45a-11:30a	Career Development Model <i>Michael Pennotti, Stevens</i>	iTAP Methods, Processes and Tools <i>Ray Madachy, NPS David Jacques, AFIT</i>	iTAP Formal Foundations and Set-Based Design <i>Kevin Sullivan UVa Michael A. Yukish, Penn State</i>	Embracing Complexity in System of Systems Architecting "FILA-SoS Flexible Intelligent Learning Architectures for System of Systems <i>Cihan Dagli, Missouri</i>
11:30a-12:15p	Technical Leadership Systems Engineering Expert Knowledge (SEEK) <i>Michael Pennotti, Stevens David Owell, NPS; Forrest J. Shull, SEI, CMU</i>	Transforming Systems Engineering through a Holistic Approach to Model Centric Engineering <i>Mark Blackburn, Stevens</i>	Agile in Systems Engineering <i>Richard Turner, Stevens Ye Yang, Stevens Kanban in SE: KSS Experimental Value Analysis System (KEVAS)</i> <i>Richard Turner, Stevens Alexey Tregubov, USC</i>	Enterprise Systems Analysis <i>Chris Gaffney, Stevens</i>
12:15p-12:45p	LUNCH (Catered Sandwich Bar) and Opportunity to View SERC Project Posters (Atrium)			
12:45p- 1:15p	Keynote Address (Auditorium) <i>Mr. Alan R. Shaffer, Acting Assistant Secretary of Defense for Research and Engineering and SERC Sponsor</i>			
1:15p- 1:30p	Best Student Paper Award & Transition Time			
	(Auditorium)	(Room C224)	(Room C204)	(Room C225)
1:30p-2:15p	Capstone Marketplace <i>Michael Delorme, Stevens</i>	Engineered Resilient Systems: Tradespace Tools <i>Tommer Ender, GTRI</i>	Quantitative Risk Analysis and Set-Based Design <i>Gary Witus, Wayne State</i>	Model-Based Decision Support for Systems-Aware Cybersecurity <i>Peter A. Beling UVa</i>
2:15p-3:00p	Experience Accelerator <i>Jon Wade, Stevens</i>	Development and Application of FACT Portfolio Management Capability <i>Daniel Browne, GTRI</i>	Strategic Planning and Science and Technology (S&T) Portfolio Development <i>Robin Dillon-Merrill, Georgetown</i>	Systemic Assurance <i>William Scherlis, CMU</i>
3:00p-4:00p	Networking Break and opportunity to view SERC posters (Atrium)			
Panel & Executive Advisory Board				
4:00p-5:30p	Panel on Research Transition Success Stories (Auditorium) <i>Chair: Dr. Jon Wade (Stevens)</i> <i>Panelists: Mr. Tom McNellis (Lockheed Martin) Dr. Brian Sauser (University of North Texas) Dr. Robin Poston (University of Memphis) Mr. Albert "Benjie" Spencer Jr. (NOAA/NWS Office of S&T) Dr. James (Jim) Providakes (MITRE)</i>		Executive Advisory Board (by invitation only in separate meeting room) (Room C227) <i>Chair: Ms. Kristen Baldwin, Principal Deputy, Office of the Deputy Assistant Secretary of Defense for Systems Engineering</i>	