

SoS Committee – 2014 Status

2013 Tasks Planned	Status	Accomplishments (deliverables, etc.) - Comments
Regular committee exchanges with practitioners	Ongoing	Committee meetings are devoted to in-depth exchanges with practitioners on their ongoing work with a focus on approaches to SoS architecture analysis. These exchanges were held at the four committee meetings in 2012 (February, April, June, August)
SoS Webinar Series: SoS Engineering Collaborators Information Exchange (SoSECIE)	Ongoing	Implemented in cooperation with DASD SE <ul style="list-style-type: none">• Biweekly online presentations on SoS SE related topics by industry, government, and academic systems engineering• Effective way to get good ROI on presentations made at the annual SE Conference or other SoS related IEEE and INCOSE events
TTCP SoS Considerations for Systems	Complete	Committee contributed with review and comments

System of Systems (SoS) Committee

- 2015 Task Plan

Proposed 2015 Tasks:

- Regular committee exchanges w/ practitioners
- Focus on new SoS initiatives across the Services
- SoS Webinar Series: SoS Engineering Collaborators Information Exchange (SoSECIE)
- Coordination with INCOSE SoS Committee

Deliverables/Products

- Presentations on SoS SE Committee Area on NDIA Website
- SoS Presentation for SoSECIE on DASD SE Website

Schedule / Resources

- Bi-Monthly Meetings featuring new practitioner experiences
- Bi-weekly SoS Webinars
- Regular Updates: SoS SE Committee Area on NDIA SE division Website

Stakeholders / Alignment

- Task Liaison/Leadership
 - Judith Dahmann, Richard Peol
 - Key Interfaces: DASD SE, Service SE organizations
- Task Objectives
 - Build a learning community in SoS SE
 - Improve understanding of how to ensure systems which are developed with consideration of the larger context

- December 2, 2014, **Designing Resiliency into a System of Systems**, Dr. Warren K. Vaneman, Naval Postgraduate School
- November 4, 2014, **A Fuzzy Evaluation Method for System of Systems Meta-architectures**, Mr. Louis Pape, The Boeing Company
- October 21, 2014, **Results from Applying a Modeling and Analysis Framework to an FAA NextGen System of Systems Program**, Dr. Mark Blackburn, Stevens Institute of Technology
- October 7, 2014, **DANSE – An Effective, Tool-Supported Methodology for Systems of Systems Engineering in Europe**, Dr. Eric Honour, Honourcode, Inc.
- September 23, 2014, **Test and Evaluation of Autonomous Multi-Robot Systems**, Mr. Joseph A. Giampapa, Carnegie Mellon University Robotics Institute
- September 16, 2014, **Always on-On Demand: Supporting the Development, Test, and Training of Operational Networks & Net-Centric Systems**, Dr. Nancy Bucher, ASA(ALT) System of Systems Engineering & Integration and Dr. Christina Bouwens, MSCI
- September 9, 2014, **System of Systems and Product Line Best Practices from the Modeling and Simulation Industry**, Mr. David Prochnow, Ms. Laura Hinton, and Ms. Anita Zabek, The MITRE Corporation; Ms. Cynthia Harrison and Mr. Michael Willoughby, US Army PEO STRI

- August 12, 2014, **Security Engineering in a System of Systems Environment**, Mr. George Rebovich, Jr., The MITRE Corporation
- July 29, 2014, **Application of Live-Virtual-Constructive Environments for System-of-Systems Analysis**, Dr. Katherine Morse, Johns Hopkins University Applied Physics Laboratory (JHU/APL)
- July 15, 2014, **Identifying Architectural Challenges in System of Systems Architectures**, Mr. Michael Gagliardi, Software Engineering Institute
- June 24, 2014, **Systems Geometry: A Dimensional Approach to T&E Systems of Systems Understanding**, Dr. Christina Bouwens, MSCI
- June 10, 2014, **Systems-of-Systems Assurance**, Mr. Taz Daughtrey, Cyber Security and Information Systems Information Analysis Center (CSIAC)
- May 20, 2014, **A Decision Framework for Systems of Systems Based on Operational Effectiveness**, Mrs. Bonnie W. Young, Naval Postgraduate School:
- April 29, 2014, **An Advanced Computational Approach to System of Systems Analysis Using an Agent-Based Behavioral Model**, Ms. Paulette Acheson, Missouri University of Science and Technology
- April 15, 2014, **Utilizing Model Based Systems Engineering Approach to Look at the Infantry Squad as a SoS Architecture**, Mr. David Chau and Ms. Dana Perriello, U.S. Army Armament Research, Development, and Engineering Command (ARDEC)