

21 September – Main Session

- 07:30 – 8:30 Continental Breakfast – Registration – Exhibits
- 08:30 – 10:00 Track 1 – History and Life Cycle
 - **Opening Remarks**
 - Oxana Fedak, Systems Engineering Technical Committee Chair
 - **Systems Engineering Evolution in Rotorcraft Industry**
 - Theo Saunders, Sikorsky Aircraft
 - Dr. Dan Schrage, Georgia Tech
 - **Service Life Cycle: A System Engineering Approach**
 - José Corrêa de Sá, Instituto Tecnológico de Aeronáutica, Brasil
 - **Learn First Product Development (LFPD) – Robust Risk Mitigation by Gaining Knowledge First**
 - Michael Lyden, BAE Systems
- 10:00 – 10:30 Break – Exhibits
- 10:30 – 12:00 Track 2 – Applied Practice
 - **Application of Model Based Systems Engineering to Rotorcraft Development**
 - Mike Weaver, BAE Systems
 - **Application of Safety Oriented System Development Process for Civil Certified Critical Integrated Modular Avionics (IMA)**
 - Serge Germanetti/Mathieu Gester, Eurocopter
 - **Life Cycle Traceability in a Complex Evolving System**
 - Andrea Smith/James Linder, Lockheed Martin
- 12:00 – 13:00 Lunch – Exhibits
- 13:00 – 14:30 Track 3 – Tools and Methodology
 - **Optimizing an Incremental Modular Open System Approach (MOSA) in Avionics Systems for Balanced Architecture Decisions**
 - Thomas Gaska, Lockheed Martin
 - **Leveraging Database Capabilities for System Data Management**
 - Brian Haupt, BAE Systems
 - **The Application of SysML to Rotary Wing Avionics Development**
 - Dr. Stephen Felter, Lockheed Martin
- 14:30 – 15:00 Break – Exhibits
- 15:00 – 16:30 Track 4 – Theme – Cost
 - **Quantifying Cost Uncertainty Effects of Non-Conventional Systems on Rotorcraft Life Cycle Cost**
 - Robert Scott, Georgia Institute of Technology
 - **Benefits of Early Qualification Baseline Definition in Legacy Military Rotorcraft Programs**
 - Oxana Fedak, Boeing
 - **Rotorcraft Cost-Benefit Analysis through IPPD Multi-Criteria Decision Making**
 - Robert Scott, Georgia Institute of Technology
- 16:30 – 18:00 Exhibits
- 18:00 - 19:00 Reception
- 19:00 – 21:00 Dinner – **Key Note Speaker – Mr. Stephen Welby**

21 September - Tutorials

- **0900 – 09:30: Future Airborne Capability Environment Overview**
 - Robert Sweeney, NAVAIR
- **09:30 – 10:00: Working Smarter Not Harder, Tips and Tricks for Strategic Asset Reuse**
 - Michelle Specht, IBM
- **10:30 – 11:15: DO-178C, A New Military Certification Standard**
 - Leslie Alford, Boeing
- **11:15 – 12:00 On the Effective Integration of Model-Based Systems Engineering in Complex Defense Systems Design**

- Brett Malone, Vitech Corp
- **13:00 - 13:45 *The Rational Solution for Systems and Software Engineering***
 - Sue Green, IBM
- **13:45 – 14:30: *Future Airborne Capability Environment Overview***
 - Robert Sweeney, NAVAIR
- **15:00 – 15:30: *Working Smarter Not Harder, Tips and Tricks for Strategic Asset Reuse***
 - Michelle Specht ,IBM
- **15:30 – 16:15: *DO-178C, A New Military Certification Standard***
 - Leslie Alford, Boeing
- **16:15 – 17:00: *On the Effective Integration of Model-Based Systems Engineering in Complex Defense Systems Design***
 - Brett Malone, Vitech Corp

Thursday - 22 September

- 07:30 – 8:30 Continental Breakfast – **Exhibits**
- 08:30 – 10:00 Track 5 – Applied Systems Engineering
 - ***Embedded Software Instrumentation Greatly Benefits System Development and Analysis***
 - Patrick Ballester, Lockheed Martin
 - ***Drive System Design Integration for Rotorcraft through Integrated Product- Process Development***
 - Sylvester Ashok, Georgia Institute of Technology
 - ***Radar/IFF Sensor Tracking Performance Optimization from Platform Installed Antenna: The Good, The Bad and The Ugly***
 - Lt. Nicholas Green, US Navy
 - Patrick Ryan, Lockheed Martin
 - Stanley Zipper, Telephonics
- 10:00 – 10:30 Break – Exhibits
- 10:30 – 12:00 Track 6 – Moving Forward
 - ***Bounding the Analysis of Alternatives***
 - Michael Gaydor, NAVAIR
 - ***Current and Emerging Trends in Information Technology and its Impact on Systems Engineering Collaboration***
 - Richard Meagher, Boeing Corporation
 - ***Motivating System Engineers***
 - Theo Saunders, Sikorsky Aircraft
- 12:00 – 13:00 Exhibits