17th Annual NDIA SE Conference:
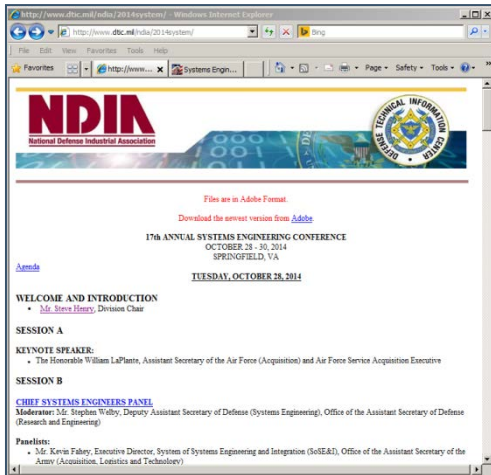## 28-30 Oct 2014, Springfield VA

DoD Keynotes

- Hon. William LaPlante, *Ass't Secretary of the Air Force (Acquisition) and Air Force Service Acquisition Executive*
- Mr. Stephen Welby, *Deputy Assistant Secretary of Defense, Systems Engineering*

Executive Panels

- Government Chief Systems Engineers
- Government Program Managers
- Industry Systems Engineering Executives

Presentation Tracks (6 concurrent)

Secure Systems Engrg	SE Effectiveness
Engr'd Resilient Systems	Modeling & Simulation
Agile and SE	Net Centric/Interoperability
Dev Test & Evaluation	Affordability
ESOH	DoD Standards
HSI	Architecture
System of Systems	Education & Training

Proceedings: **http://www.dtic.mil/ndia/2014system/**

Track Sessions – Synopsis (1)

Track	Example representative topics/presentations
System Security Engineering	Trusted systems. Software assurance. Cyber security. Program protection. Integration w/ SE. Joint Federated Assurance Center (JFAC).
Engineered Resilient Systems [intro]	Complexity, adaptability, rapid reconfiguration. LCC. S&T insertion. Open architectures. High perf computing. Infrastructure frameworks. Tradespace. ERS roadmap.
SE Effectiveness	DoD enterprise initiatives. Standards, policy. SE streamlining. SE business case. Design to cost. Trades. Requirements. SE tools. Architectures. Acquisition agility.
Modeling & Simulation	MBSE. Digital system model. M&S data and tools.
Architecture	Concepts, frameworks. Open systems. Product lines. Architecture analysis. Enterprise architectures.
Affordability	Affordability analysis. Value engineering. TOC.

Track Sessions – Synopsis (2)

Track	Example representative topics/presentations
Developmental Test & Evaluation	Testing in practice: planning, SoS, agile, automation. Chief Developmental Tester. "Testing to the left."
Interoperability	Net centric operations. Interoperability policy/process.
Agile	Agile in practice: DoD, SE, R&D, affordability, process. Life cycle model development.
Education & Training	SE workforce competencies. Accelerating technical leadership. DoD workforce development.
Human Systems Integration (HSI)	HSI and SE. Frameworks. Collaborative work environments. HSI assessment methodology.
System of Systems (SoS)	SoS engineering, considerations. Applications to SE. Analysis, tools. Virtual environments.
ESOH	Safety engrg, planning. ESOH and SE. MIL-STD-882e.

17th Annual SE Conference:
Stats

- New venue – Waterford, Springfield, VA
  - Author notifications began15 August
  - Submission stats
    - 233 Abstracts submitted 162 accepted (12 tutorials, 2 panels, 148 papers)
    - In 2013, 242 submitted with 196 accepted
- Final attendance 368
  - 122 government 33 academia 227 Industry
- 64 responses to questionnaire
  - Vast bulk of feedback very positive

18th Annual Conference

- Returning to Waterford, Springfield, VA
  - 26 - 29 October 2015
  - Six tracks again

- Improvements:
  - More lead time for government presenters and attendees
  - Improving room to track allocation to account for differing attendance