

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



DoD Keynotes

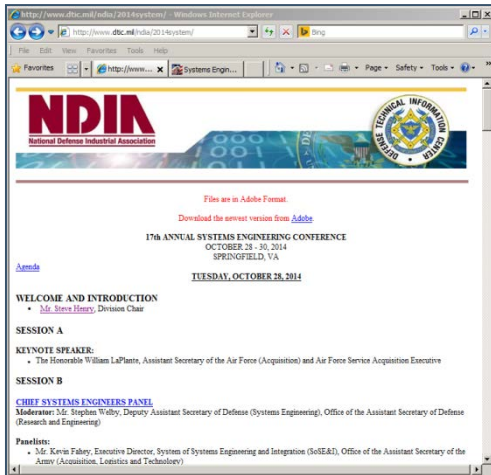
- Hon. William LaPlante, *Ass't Secretary of the Air Force (Acquisition) and Air Force Service Acquisition Executive*
- Mr. Stephen Welby, *Deputy Assistant Secretary of Defense, Systems Engineering*

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)



Proceedings: <http://www.dtic.mil/ndia/2014system/2014system.html>

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)



Proceedings: <http://www.dtic.mil/ndia/2014system/2014system.html>

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.

Proceedings: <http://www.dtic.mil/ndia/2014system/2014system.html>

17th Annual SE Conference: Stats



- New venue – Waterford, Springfield, VA
 - Author notifications began 15 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

The poster features the NDIA logo at the top left. Below it, the text 'PROMOTING NATIONAL SECURITY SINCE 1919' is displayed. The main title '18th ANNUAL SYSTEMS ENGINEERING CONFERENCE' is prominently shown in large, bold letters. Underneath the title, it says 'CALL FOR PAPERS AND PROGRAM ANNOUNCEMENT'. The poster is divided into two main color sections: a dark blue section on the left and a green section on the right. The blue section lists 'SESSION TOPICS' with various sub-topics like Architecture, Agile, Better Buying Power 3.0, DOD Standards, DT&E, Engineered Resilient Systems, Education & Training, Environment, Safety Occupational Health (ESOH), Human Systems Integration (HSI), Modeling & Simulation, Net-Centric Operations (NCOV), Interoperability, Systems of Systems (SoS), Systems Engineering Effectiveness, and Systems Security Engineering (SSE). The green section contains several small images showing people working in technical environments. At the bottom, the dates 'OCTOBER, 2015' and 'EVENT #6870' are on the left, and the location 'GREATER WASHINGTON, DC' is on the right.

NDIA
NATIONAL DEFENSE INDUSTRIAL ASSOCIATION
STRENGTH THROUGH INDUSTRY & TECHNOLOGY

PROMOTING NATIONAL SECURITY SINCE 1919

18th ANNUAL SYSTEMS ENGINEERING CONFERENCE

CALL FOR PAPERS AND PROGRAM ANNOUNCEMENT

SESSION TOPICS

- ▶ Architecture
- ▶ Agile
- ◆ Better Buying Power 3.0
- ▶ DOD Standards
- ▶ DT&E
- ▶ Engineered Resilient Systems
- ▶ Education & Training
- ▶ Environment, Safety Occupational Health (ESOH)
- ▶ Human Systems Integration (HSI)
- ▶ Modeling & Simulation
- ▶ Net-Centric Operations (NCOV)
- ▶ Interoperability
- ▶ Systems of Systems (SoS)
- ▶ Systems Engineering Effectiveness
- ▶ Systems Security Engineering (SSE)

OCTOBER, 2015
EVENT #6870

GREATER WASHINGTON, DC