

# WEDNESDAY, SEPTEMBER 23

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:00 AM                                                                                                                                                                                                                                    | Registration and Networking                     | <div><div></div> Plenary Events: Grand Ballroom</div> <div><div></div> Blue Track: Room 302</div> <div><div></div> Green Track: Room 307</div> <div><div></div> Red Track: Room 308</div> <div><div></div> Demo Expo: Room 309</div> | <div>Scan for Full Agenda</div> <div></div>                              |
| 9:00 AM                                                                                                                                                                                                                                    | Keynote Address                                 |                                                                                                                                                                                                                                      |                                                                                                                                                             |
| 10:00 AM                                                                                                                                                                                                                                   | Army DEVCOM Armaments Center Perspective        |                                                                                                                                                                                                                                      |                                                                                                                                                             |
| 10:45 AM                                                                                                                                                                                                                                   | The Governance Challenge                        |                                                                                                                                                                                                                                      |                                                                                                                                                             |
| <div><div>Case Study</div> Understanding Department of War Responsible AI Needs &amp; Requirements: An Examination of DoW's AI Ethics, Policies, and Directives for the Safe, Secure, and Trustworthy Adoption of AI-Enabled Systems</div> |                                                 | <div><div>Case Study</div> MLQP Card Generator: Guided Qualification Cards for ML Dataset and Model TEVV</div>                                                                                                                       | <div><div>Case Study</div> AI-Assisted Transformation of Operational Recordings into Reviewable Evidence</div>                                              |
| What Is Different About AI? Understanding the Nature of Risk for Stronger Operational Capability                                                                                                                                           |                                                 | From Data-to-Model to Model-to-Model: Systems Engineering and T&E Velocity in the Era of Foundation-Model-Based AI                                                                                                                   | Dependency Graph Topology and Classical Compressibility Diagnostics for AI Value in Systems Engineering Models                                              |
| Why AI Risk Frameworks Are Hard to Adopt: A NIST AI RMF Stress Test of Governance Translation in AI-Enabled Decision Systems                                                                                                               |                                                 | Evaluating Methods to Generate Mission-Relevant Small Language Models                                                                                                                                                                | An AI-Based Sectionalized Semantic Traceability Framework for Policy Documents with Applications to Department of Defense Problems                          |
| Demonstrating Justified Confidence in Autonomous Weapon Systems for DoD Directive 3000.09 Approvals                                                                                                                                        |                                                 | Metadata-Driven Test and Evaluation of LLM Agents                                                                                                                                                                                    | Assessing the Impact of AI-Based Summarization on Information Relevance and Engagement                                                                      |
| Beyond the Model: A Layer-by-Layer Map of AI Governance Mechanisms, Inducted from Safety-Critical Domains (Aviation, Pharmaceuticals, Food Safety)                                                                                         |                                                 | Mission-Aligned Large Language Models                                                                                                                                                                                                | Data Interoperability Foundations for Being AI-Ready                                                                                                        |
| <div><div>Insight Session</div> Systems Architecture Modeling for Human-AI Intensive Systems</div>                                                                                                                                         |                                                 | <div><div>Insight Session</div> Native AI Integration For Model-Based Systems Engineering: Lessons Learned from an LSP and Knowledge-grounded Experimentation Platform</div>                                                         | <div><div>Insight Session</div> From Structural Opacity to Engineering Legibility: A Scenario-Based Demonstration for AI-Assisted Systems Engineering</div> |
| 12:20 PM                                                                                                                                                                                                                                   | Lunch                                           |                                                                                                                                                                                                                                      |                                                                                                                                                             |
| 1:20 PM                                                                                                                                                                                                                                    | Tools Panel                                     |                                                                                                                                                                                                                                      |                                                                                                                                                             |
| 2:55 PM                                                                                                                                                                                                                                    | AI-Assisted SE Requirements Engineering         | AI-Assisted SE Design                                                                                                                                                                                                                | AI-Assisted SE Processes                                                                                                                                    |
| Benchmarking of LLM-Based Requirement Quality Evaluation and a Knowledge-Based Hybrid Prototype for Pushing the Boundary of Trustworthiness                                                                                                |                                                 | Evaluating Engineering Knowledge Leakage in AI-Assisted Systems Engineering Workflows                                                                                                                                                | Introducing Automation to Reform The Model Change Request Process                                                                                           |
| Absent by Design: A Review of AI-Assisted Requirements Engineering in ERP Implementations                                                                                                                                                  |                                                 | Governing AI-Supported Design and Verification Boundaries in Systems Engineering: A Three-Axis Interpretation of the V-Model                                                                                                         | An Agentic System for Cyber Resilience                                                                                                                      |
| 3:30 PM                                                                                                                                                                                                                                    | SE & AI Education for Workforce Readiness Panel |                                                                                                                                                                                                                                      |                                                                                                                                                             |
| 4:50 PM                                                                                                                                                                                                                                    | Closing Remarks                                 |                                                                                                                                                                                                                                      |                                                                                                                                                             |