



*Note: This is a draft schedule and may be subject to modifications in speakers, topics, or timings.
Final schedule will be available ~1 week prior to the conference.*

Thursday, September 11, 2025

Tutorial Presentations

Start Time	End Time	DISC-162	US2-141	US2-131	US2-031
700	800	Breakfast/Registration			
800	1200	SysML V2 Finally in Practice: An Interactive Beginner's Tutorial	Leveraging Lifecycle Modeling to Integrate Systems Engineering and Project Management	SysML V2 Fundamentals	Introduction to Pythonic Systems Engineering
1200	1300	Lunch and Networking			
1300	1700	SysML V2	Accelerating Digital Engineering with MBSE & Virtual Twin A Hands-On Robotic Arm Workshop Using SysML and Catia Magic / Cameo	SysML V2 Fundamentals Adjusted Time 1300-1500	
1730	2030	Welcome Reception at Sparkman Cellars			

Friday, September 12, 2025

Start Time	End Time	DISC-162	US2-141	US2-131	US2-031
815	845	Keynote Speaker			
845	900	Break			
900	940	A Comparison of Requirements Management in Agile vs. Predictive Projects	Using an MBSE Model to Analyze and Define UAV Mission Capabilities Through Simulation and 3D Visualization	A Formal Approach to Support Complex Security Management: Case Study of a Moroccan Hospital	Safety Requirements Management Process in Aerospace System Design
940	1020	Developing an Organizational Health Assessment Framework: Insights from Mental Health Screening Tools	Establishing CI/CD Pipelines for MBSE	Navigating the Challenges of Successful Automation: A Case Study Presentation	Dynamic Magnetic Field Adaptation for Spacecraft Radiation Shielding
1020	1030	Break			
1030	1110	Disruptive Innovation in High-Risk Systems: Managing Emergent Behaviors for Rapid Development	On the Usability of Model-Based Systems Engineering Tools: A Heuristic Evaluation Approach	Case Studies for Querying the Model - SysML V2	Analysis of Systemic Failures in Application of Failure Modes and Effects Analysis in V-Model Based Complex Design
1110	1150	Systems-Theoretic Process Analysis for Organizational Management	Untangling Complexity: Model-Based Systems Engineering on America's Largest Rail Transportation Program	Riding the V Model – A Presentation on Integration for Sound Transit Light Rail	A Hierarchical Approach for Risk Modeling of System Availability Resilience
1150	1250	Lunch and Networking			
1250	1330	Alignment of Agile and Modular Open Systems Approach (MOSA) Principles in Systems Engineering	Data-Driven Compliance — Applying Analytics to Improve DO-178C Certification Outcomes	“Presentation” Harnessing Artificial Intelligence and Systems Engineering to Assess Manufacturer-Provided IoT Security Manuals	Reliability to Resiliency: Exploring Interconnected Metrics of System Performance

Friday, September 12, 2025 (continued)

Start Time	End Time	DISC-162	US2-141	US2-131	US2-031
1410	1420	Break			
1420	1500	SE, S and T: A Sociotechnical Systems Analysis of United States Scientific and Technical Policymaking	Is Functions-Based Systems Engineering (FBSE) Dead?	Leveraging Large-Language Models (LLMs) for Model Development and Assessment	A Systems Approach to Securing Cyber Physical Systems
1500	1540	Bridging the Gap: Integrating Project Management and Systems Engineering	System Engineering Approach to Mitigate Effects of Atmospheric Turbulence for Terrestrial Horizontal Path Imaging Sensors	AI-Driven Traceability & Consistency for Systems Engineering	Securing Legacy Transport Protocols: Requirements-Driven Mitigation of RTS/CTS Vulnerabilities in J1587 Systems
1540	1550	Break			
1550	1630	Data-Centric Methodology for Requirements and Risk Management in Medical Device Design & Development	Systems Considerations in Designing a Stratospheric Early Warning Airship	Artificial Intelligence and Digital Engineering as Enablers for System Engineering in the Energy Sector	INCOSE ESEP Application and Submission Presentation
1630	1710	The “Easy Approach” for Redlining Requirements – A Practical Application of The INCOSE Requirements Style Guide and the Easy Approach to Requirements Syntax (EARS) Method	System of Systems Network Modeling for Production System Complex Adaptive Design/Analysis	Restart and application of System Engineering during construction phase of a nuclear waste facility	Future Systems Engineers and Managers Can No Longer Ignore These 6 Areas of Change
1800	2100	Banquet Dinner at McMenamins Anderson School (Ticketed Event)			

Saturday, September 13, 2025

Start Time	End Time	DISC-162	US2-141	US2-131	US2-031
815	845	Keynote Speaker			
845	900	Break			
900	940	A Process for Shifting Left in Natural & Induced Environmental Requirements	Digital Twin Framework for Lifetime Predictions of Li-ion Batteries	IoT Adoption for Smart Systems – A Systems Engineering Approach to Scalable, Secure Integration	SEP Exam
940	1020	Comprehensive Thermal Engine Modelling for Techno-Economic Aircraft Hybrid Electric Evaluation	Accelerating Digital Engineering Adoption A Comprehensive Example Using MBSE and Digital Twin with a Portable Robotic Arm	Findings of the INCOSE FuSE LDSE Project	
1020	1030	Break			
1030	1110	Future-Proofing Aviation Maintenance — The Role of Industry 5.0 in Workforce Sustainability	Robust Technical Reviews in Digital Environments	Analysis of Complex Adaptive Systems Engineering in Pursuit of Improved Organizational Strategic Planning	
1110	1150		Strategy for Engineering AI and Digital Twin Adoption – A Systems Approach to leveraging to develop Cyber Physical Systems	Challenges in Multi-tier Supplier Networks — Software Certification Oversight and Compliance in Complex Supply Chains	
1150	1240	Lunch and Networking			
1240	1300	Concluding Remarks			