



# Training Summit Agenda "Driving Towards Digital"

HOSTED AT: **U.S. Space & Educator Training Facility, Huntsville, AL**  
**Rocket Center.**



## Day 1 - Wednesday, November 1st, 2023

## Day 2 - Thursday, November 2nd, 2023

0800-0900 Sign Up & Registration In Front Lobby (Entrance)		
Time	A (Main Classroom)	B (Auditorium)
0800-1630 Front Lobby		
0900-0930 Welcome Opening Remarks		
Session 1 0930-1030 .10 CEUs	A1. Leveraging IIoT Techniques for Real-Time Systems Integration <i>Alden Moreton</i>	B1. H-1 Modeling & Simulation <i>Rachel Boydston</i>
	Enhancing Reliability Engineering through Advanced Visualizations and User Interfaces <i>Zeb Freeman</i>	The Effects of M-out-of-N Systems on Reliability Metrics <i>Tate Fleming</i>
1030-1045 AM BREAK		
Session 2 1045-12:15 .15 CEUs	A2. Reliability Engineering The Link to Safety and Risk assessment <i>Dr. Fayssal Safie</i>	B2. Bridging the Gap Between MBSE and RAM Using Parametric Diagrams <i>Keith Zook</i>
		Using Big Data Analytics Approaches to Analyze Aviation and Missile RAM Data <i>Jordan Mills, Kyle Russell, and Connor Green</i>
1215-1315 LUNCH BREAK		
Session 3 1315-1415 .10 CEUs	A3. The Past, Present, and Future of Probabilistic Risk Assessment <i>Richard Meshell</i>	B3. Demystifying Large Language Models: How do we use them in reliability? <i>Nathan Rigoni</i>
1415-1430 PM BREAK		
Session 4 1430-1600 .10 CEUs	1 of 2 First Half of Mod 11 Integrating HW and SW Predictions <i>*NOTE: AvMC RAM Div Mandatory Training Both Halves to be completed for CLPs.</i> <i>Ann Marie Neufelder</i>	B4. Equipment Reliability Analysis Process and Validation Methods through AI (ChatGPT) - Case Study <i>Ernesto Primera</i>
		Cracking the Code of Failed Digital Transformations: Key Insights and How to Succeed <i>Kristin Weger, Ph.D.</i>
		Success Stories for Data Analytics and Visualization <i>Rachel Boydston</i>
1600-1630 Afternoon Networking & Vendor Booths		
ADJOURN FOR THE DAY (0.45 CEUs For RAM XV Day 1 - Sessions 1-4)		

0800-0900 Sign Up & Registration In Front Lobby (Entrance)		
Time	A (Main Classroom)	B (Auditorium)
0800-1230 Front Lobby		
Session 5 0900-1030 .15 CEUs	A5. 2 of 2 Second Half of Mod 11 Integrating HW and SW Predictions <i>*NOTE: AvMC RAM Div Mandatory Training Both Halves to be Completed for CLPs.</i> <i>Ann Marie Neufelder</i>	B5. The Last 10 Years in Spaceflight: Failures and Fixups <i>Quinn Slaughenhoupt</i>
		Machine Learning Applied in Rotating Machinery for Anomalies Detection & RUL Estimation - Gearbox Case Study <i>Ernesto Primera</i>
1030-1045 AM BREAK		
Session 6 1045-1215 .15 CEUs	A6. Failure Review Board (FRB) <i>*NOTE: AvMC RAM Div Mandatory Training</i> <i>Mike Olivier</i>	B6. Student Presentations Reliability Engineering as the Bridge Between Systems Engineering, Design Engineering and Integration and Test <i>Samantha Rawlins (PhD Student)</i>
	Effect of R&M Parameters and Interactions on Operational Availability and O&S Costs <i>Russ Alexander</i>	Measuring Latent Trust Patterns in Large Language Models in the Context of Human-AI Teaming <i>Derek Koehl (Grad Student)</i>
		Definition of Reliability Across Disciplines <i>Andrew Atchley (Grad Student)</i>
1215-1315 LUNCH BREAK		
Session 7 1315-1415 .10 CEUs	A7. Modeling and the Assurance Engineering Disciplines <i>Charles "Ronnie" Knight</i>	B7. Student Presentations Stakeholder Elicitation for Autonomous Robotic Systems Design for Mission Critical Environments <i>Nicole Moore (Grad Student)</i>
		Affordability Culture in Organizations <i>Taylor Yeazitis (Grad Student)</i>
1415-1430 PM BREAK		
Session 8 1430-1600 .10 CEUs	A8. Defining & Developing a Digital Twin through creating synergies between Cyber, Software, Reliability & Safety <i>Lisa Bates</i>	B8. Student Presentations Challenges in Developing Requirements for AI-based Systems: A Systems Engineering Perspective <i>Oluayinka Adedokun (Grad Student)</i>
		Individual Differences in the Acceptance and Adoption of Digital Technology <i>Luke Symasek (Undergrad Student)</i>
		The Use of a Smart Factory Laboratory to Demonstrate Digital Manufacturing Capabilities in Ind & Sys Engr <i>Yeraldy Bermudez (Undergrad Student)</i>
1600-1630 Student Awards, Closing Remarks and Training Summit Surveys in Auditorium		
ADJOURN FOR THE DAY (0.50 CEUs For RAM XV Day 2 - Sessions 5-8)		

\*See "RAMS XV ABSTRACTS" (Training Summit Presentation Abstracts) sheet for details of each presentation at <https://srehsv.com/ram/agenda/>

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**Agenda**

**"Driving Towards Digital"**

HOSTED AT:



One Tranquility Base, Huntsville, AL 35805

*\*This survey is still linked to 2022 RAM until time for 2023*

**At the Completion of RAM XV Training Summit  
Please Use the QR Code to the right to pull up  
RAM XV Survey on your Phone  
Complete the Questionnaire and Submit on your Phone**

RAM XV Survey QR-Code



*\*There will also be hardcopy Surveys to fill out at the HSV SRE Table*