Training Summit Agenda *"Reduce Uncertainty"*

Huntsville — SOCIETY OF RELIABILITY ENGINEERS

HOSTED AT: **Jackson Center**, *Huntsville, AL*

RAM XIV

Day 1 - Tuesday, November 1st, 2022

Time	A (Discovery Hall A)	B (Discovery Hall B)	C (Board of Directors)
0800-0900	Sign Up & Registration In the Atrium		
0800-1630 Atrium Area (Entrance)	Huntsville · MTA Ready. Right. Now. · SKF · BELL · AVX AIRCRAFT COMPANY · Avnik DEFENSE SOLUTIONS, INC. · MISSION READY SOFTWARE		
0900-0930	**Welcome Opening Remarks**	*Welcome Opening Remarks Hall A*	*Welcome Opening Remarks Hall A*
	A1.	B1.	C1.
Session 1 0930-1030 .10 CEUs	**Reliability Improvement Cost Models** *Dr. Russ Alexander* INTUITIVE Research and Technology **Expectation vs. Reality: The Sunrise Problem Applied to Probabilistic Risk Assessment** *Joseph Osowski* BASTION TECHNOLOGIES	**Applied Predictive Analytics to Evaluate Centrifugal Pumps Reliability Based on Hydraulic Op Regions** *Ernesto Primera* UNIVERSITY OF DELAWARE	**MBSE Methodologies for System Safety Analyses** *Jason Rogers* INTUITIVE Research and Technology **Data Science Knowledge and Skills that Reliability Engineers Need: A Survey** *Altricia Jordan* UNIVERSITY OF ARKANSAS
1030-1100	AM BREAK		
	A2.	B2.	C2.
Session 2 1100-1230 .15 CEUs	**Reliable Software SOW** *Ann Marie Neufelder* MISSION READY SOFTWARE	**Parts, Materials, and Processes** *Dave Locker* DEVCOM ARMY RESEARCH LABORATORY **Building of a Technology Partnership** *Tom Lunz* SKF	**Reliability Tool & Techniques** *Dr. Safie Fayssal* A-P-T Research, Inc.
1230-1330	LUNCH BREAK		
	A3.	B3	C3.
Session 3 1330-1430 .10 CEUs	**Data-Informed Environmental Conversion Factors** *Gwyer Sinclair* NASA	**Logistics Modeling and Simulation** *Jake Phillips* AVNIK DEFENSE SOLUTIONS, INC.	**R&M Digital Transformation Best Practices & Lessons Learned** BELL *Dr. Justin Brown* **Automated Identification of Actionable Relationships Between IVHMS Sensor & Maintenance Event Datasets** *Drew Hardwick* INTUITIVE Research and Technology
1430-1500	PM BREAK		
	A4.	B4.	C4. Student Presentations
Session 4 1500-1600 .10 CEUs	**The Reliability Function** *Paul Britton* NASA **Intelligent Frequency Modulated Continuous Wave (iFMCW) Cable Ass. and Prognostic Tool** *Jeff Craven & Wai Chan* AVNIK DEFENSE SOLUTIONS, INC.	**Discrete Event Simulation** BELL *Troy McFarland & Will Fullerton* **SRE Member's Meeting** *Tori Smith* SOCIETY OF RELIABILITY ENGINEERS	**Requirements Formation in Interdisciplinary Teams for Autonomous Systems** *Sheri Leder (Grad Student)* UAH **Intl/External Precursors to Favorable Adoption of Industry 4.0 Technologies** *Andrew Couch (Grad Student)* UAH
1600-1630	Afternoon Networking & Vendor Booths		
	ADJOURN FOR THE DAY (0.45 CEUs For RAM XIV Day 1 - Sessions 1-4)		

Day 2 - Wednesday, November 2nd, 2022

Time	A (Discovery Hall A)	B (Discovery Hall B)	C (Board of Directors)
0800-0900	Sign Up & Registration In the Atrium		
0800-1230 Atrium Area (Entrance)	Huntsville · MTA Ready. Right. Now. · SKF · BELL · AVX AIRCRAFT COMPANY · Avnik DEFENSE SOLUTIONS, INC. · MISSION READY SOFTWARE		
	A5.	B5. Student Presentations	C5.
Session 5 0900-1030 .15 CEUs	**Smart Maintenance Engineering Decision Assist Tool (SMEDAT)** *Lisa Bates* Raytheon Technologies	**Reliability of Nuclear Thermal Propulsion** *Samantha Rawlins (Grad Student)* UAH **Systematic Review of Relationships Between Project Success and Failure** *Casey Eaton (Grad Student)* UAH **Assessment of Reliability in Autonomous Systems from Multiple Disciplines** *Jenna Cotter (Grad Student)* UAH	*Break Out Sessions*
1030-1100	AM BREAK		
	A6.	B6. Student Presentations	C6.
Session 6 1100-1230 .15 CEUs	**Software Common Effect Denumeration** *Ann Marie Neufelder* MISSION READY SOFTWARE	**Understanding Human-AI Teaming Performance Using Autonomous Systems in Virtual Env.** *Joseph Schwalb (Grad Student)* UAH **Analysis of AI-Driven UAV Autonomous System Sim. for Use in Hostage Rescue Scenarios** *Daniel Pham (Grad Student)* UAH **Biases in Stakeholder Elicitation as a Precursor to the Architecting Process** *Taylor Yaezitzis (Grad Student)* UAH	**Break Out Sessions**
1230-1330	LUNCH BREAK		
	A7.	B7. Student Presentations	C7.
Session 7 1330-1430 .10 CEUs	**How We Make Judgments about Human and Automation Teammate** *Dr. Lisa Vangsness* UAH	**Analyzing Technical Measurement Guidance in Literature** *Kelly Campo (Undergrad Student)* UAH **Developing Model-Based Systems Engineering Pseudo-Value Models for Industry Application** *Tom Teper (Undergrad Student)* UAH	**Break Out Sessions**
1430-1500	PM BREAK		
	A8.	B8. Student Presentations	C8.
Session 8 1500-1600 .10 CEUs	**It Depends** *Richard Meshell* BASTION TECHNOLOGIES	**Challenges in the Use of Historical Data** *Meredith Bates (Undergrad Student)* UAH **Evaluation of AI-based Drone Assistive Automation Systems in Search and Rescue Missions in a Simulated Environment** *Eric Sung (Undergrad Student)* UAH	**Break Out Sessions**
1600-1630	Student Awards, Closing Remarks and Training Summit Surveys in Discovery Hall A		
	ADJOURN FOR THE DAY (0.50 CEUs For RAM XIV Day 2 - Sessions 5-8)		

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HOSTED AT:

Jackson Center

6001 Moquin Drive Northwest,

Huntsville, AL 35806

RAM XIV Survey QR-Code

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

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

Last Updated: Nov 2, 2022