



Training Summit Agenda "Recharge Yourself"



HOSTED AT: Jackson Center, Huntsville, AL

Day 1 - Tuesday, November 30th, 2021

Day 2 - Wednesday, December 1st, 2021

0730-1430 REGISTRATION			
0730-1600 Atrium Area (Entrance)			
Time	A (Discovery Hall A)	B (Discovery Hall B)	D (Inspiration Room)
0800-0830	Welcome Opening Remarks		
Session 1 0830-1000 .15 CEUs	A1. Manufacture of Fork Holograms to Produce Laguerre Tymon Sharp	B1. Potential Issues of the Transition to Digital Displays for Safety Critical Information Dr. Jacob Hauenstein	D2. CRE Prep CRE (Certification for Reliability Engineer) Prepration Course Dr. Fayssal M. Safie
	Optimizing Channelization for Fun and Profit Gwyer Q. Sinclair	MBSE and Examples Rob Holaway, Nathan Vitek, Justin Ferguson	
1000-1030 AM BREAK			
Session 2 1030-1200 .15 CEUs	A2. Failure Modes and Effects Analysis and Critical Items List (FMEA/CIL) for Launch Vehicle Programs Part 1 Ryan Deter	B2. Simple Metrics for Reliable Software Ann Marie Neufelder	D2. CRE Prep CRE Prep Continue
1200-1300 LUNCH BREAK			
Session 3 1300-1500 .20 CEUs	A3. FMEA/CIL Part 1 (cont) Ryan Deter	B3 Data Enterprise for Reliability and Sustainment Analytics Daniel Wade	D3. CRE Prep CRE Prep Continue
	FMEA/CIL Part 2 Paul Britton	CBM Machine Learning: Rapid Development of Models Nathan Rigoni	
1500-1600 Afternoon Networking & Vendor Booths			
ADJOURN FOR THE DAY (0.50 CEUs For RAM XII Day 1 - 3 Sessions)			

*See "Training Summit Presentation Abstracts" sheet for details of each presentation

0730-1430 REGISTRATION				
0730-1230 Atrium Area (Entrance)				
Time	A (Discovery Hall A)	B (Discovery Hall B)	C (Board of Directors)	D (Inspiration Room)
Session 4 0800-1000 .15 CEUs	A4. Teaming and Trust: Influences of Design on Operator Cognition N. L. Tenhundfeld	B4. Bell Innovation Teck Andrea Chavez	C4. Student Presentations A Framework for Manufacturing Reliability Ron Reimer (Grad)	D4. CRE Prep CRE Prep Continue
	Comprehensive Study on the Use of AI-driven Autonomous Systems Dr. Vineetha Menon	Reliability and Statistics with Python Programming Myles Chatman	Leveraging SysML for Reliability Analysis with Category Theory David Perner (Grad)	
	Future ASAP Interface Josh Hersh		When Do Measures Fail? Understanding Pitfalls of Tech Measures in Engineering Design Casey Eaton (Grad)	
1000-1030 AM BREAK				
Session 5 1030-1200 .15 CEUs	A5. Data Reliability Using a Baldrige Performance Excellence Approach Nicholas Loyd	B5. The Basics of Artificial Intelligencel Liv Weaver, Chad Etheridge	C5. Student Presentations Improving Reliability through Failure Classification: Possible Implementation Paths K. Loveday Glandon (Grad)	D5. CRE Prep CRE Prep Continue
	Insight into the Acceptance & Adoption of Autonomous Systems by Military Personnel K. Weiser		Impact of the Faster, Better, Cheaper Movement at NASA on Perceptions of Failure & Success Shivani Patel (UnderGrad)	
	Evolution and History of Programming Languages Rachel Watts	Probabilistic Risk Assessment of a Sustained Lunar Presence Richard Meshell	Qualifying the Value of Life-Cycle Process Models to System Development Thomas Teper (UnderGrad)	
1200-1300 LUNCH BREAK				
Session 6 1300-1400 .10 CEUs	A6. Two Is One, and One Is None: A Discussion on Redundancy Marion Whatley	B6. Advanced Predictive Analytics Algorithms Ernesto Primera	C6. Student Presentations Model-Based Systems Engineering: Investigating Perceptions of Reliability and Maintainability Kelly Campo (UnderGrad)	D6. CRE Prep CRE Prep Continue
	Maintenance Free Operating Period (MFOP) Jake Phillips		Student Presentation Scholarship Review	
	1400-1430 Student Awards	Student Awards In Discovery Hall A		
1430-1600 Closing Remarks & Surveys	Closing Remarks and Training Summit Surveys in Discovery Hall A			
ADJOURN FOR THE DAY (0.45 CEUs For RAM XII Day 2 - 3 Sessions)				

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