

# RAMS 2021 Program Matrix

Time	#	A	B	C	D	E	E	Date
		Grand B	Salon 3-4	Salon 5-6	Salon 7-8	Salon 9-10	?	
8:30 - 10:00		General Chair's Welcome & Keynote - Grand A-B						
10:15 - 12:15	1	An Introduction to Probability Models in Reliability & Maintainability (CL)	Introduction to Fractional Failure and Its Application in Reliability (JH)	Business Process Improvement (BS)	Big Data and IoT Applications 1 (RS)	Human Reliability (WW)	BoK Topic #1 - Reliability Fundamentals	Monday January 25
13:30 - 15:30	2		Integrating Physics with Sensor Data for System Health Prognostics (PM)	Reliability Modelling 1 (DC)	Accelerated Life Testing 1 (BG)	Maintenance Modeling and Methods 1 (WT)	BoK Topic #2 - Reliability Fundamentals	
15:45 - 17:45	3	An Introduction to R&M Management (PM)	Intro to Accelerated Life Testing Methods to Improve Reliability (CL)	Reliability of AI/ML (MD)	FMEA 1 (WT)		BoK Topic #3 - Probability and Statistics for Reliability	
17:00 - 19:00		Exhibitors Reception: Grand A						
7:45 - 8:00		Chairman's Corner - Grand A						
8:00 - 10:00	5	Introduction to Life Data Analysis (JH)	Human Factors, Human Reliability, and Data Collection (CL)	Trusted Autonomy (RS)	Reliability Modeling 2 (DC)	Diagnostics and Prognostics 1 (RP)	BoK Topic #4 - Reliability Planning, Testing and Modeling	Tuesday January 26
10:15 - 12:15	6		Complex Problem Solving - Introduction of Directed Acyclic Graphs (PM)	Artificial Intelligence Autonomy 1 (WW)	Dynamic Risk & Root Cause Analysis (RS)	FMEA 2 (BG)	BoK Topic #5 - Life Cycle Reliability	
13:30 - 15:30	7	Introduction to Fault Tree Analysis (BH)	A New Science for Reliability (JH)	SoS Reliability Challenges (BS)	SW Rel Aging & Rejuvenation (SA)	System Safety (RS)	Open Q&A	
15:45 - 17:45	8	Understanding and Applying the Fundamentals of FMEA (VK)	Reliability and Availability Modeling in Practice (JH)	Reliability Mgmt (BS)	Security & Dependability (SA)	Reliability Applications in Aerospace 1 (WT)	BoK Topic #1 - Reliability Fundamentals 2	
7:45 - 8:00		Chairman's Corner - Grand A						
8:00 - 10:00	9	Monte Carlo Method and Reliability Applications Using Excel Spreadsheets (VK)	Introduction to Maintenance Models (SG)	Big Data and IoT Applications 2 (RS)	Life Data Analysis (RP)	Reliability Applications in Aerospace 2 (WT)	BoK Topic #2 - Risk Management	Wednesday January 27
10:15 - 12:15	10	Advisory Board Panel - Grand C-D						
13:30 - 15:30	11	Machine Learning for Prognostics and Health Management of Components (SG)	Dynamic Reliability and Artificial Intelligence (PM)	DoD Panel (WT)	Dynamic Reliability Modeling (SA)	Artificial Intelligence Autonomy 2 (WW)	BoK Topic #3 - Probability and Statistics for Reliability 2	
15:45 - 17:45	12	How to Analyze Repair Data (VK)	Design of Experiment for Reliability Evaluation and Improvement (SG)	Diagnostics and Prognostics 2 (RP)	R&M Computational Methods (SA)	Reliability Growth (BS)	BoK Topic #4 - Reliability Planning, Testing and Modeling 2	
18:30 - 21:30		General Reception & Banquet - Upper Pool Deck & Grand C-D						
7:45 - 8:00		Chairman's Corner - Location: GRAND A						
8:00 - 10:00	13	Effective Design Verification Plan and Report (DVP&R) for Reliability (BH)	SW Reliability Analysis: The 2nd Basic Element of Ao (JH)	FMEA - Automated or Team Based (BG)	Maintenance Models and Methods 2 (RP)		BoK Topic #5 - Life Cycle Reliability 2	Thursday January 28
10:15 - 12:15	14	737 MAX System Safety and Reliability Lessons Learned (PM)	Combined Environments Stress Screening (BH)	Reliability Modelling 3 (DC)	Prognostics & Health Management (WW)	Risk Analysis & Management (BG)	Open Q&A	
12:15 - 14:00		Poster Session - Grand C-D						

Legend	(T) = Tutorial	(PN) = Panel	(PS) = Paper Session	(CR) Exam Prep
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