

RAMS 2021 Program Matrix

Time	#	A	B	C	D	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						Monday May 24
10:15 - 12:15	1	An Introduction to Probability Models in Reliability & Maintainability	Intro to Fractional Failure & Its Application in Reliability	Business Process Improvement	Big Data & IoT Applications			
13:30 - 15:30	2		Integrating Physics with Sensor Data for System Health	Reliability & CBM Modeling		Maintenance Modeling & Methods 1		
15:45 - 17:45	3		Impact of Key Characteristics on Product Safety, Quality, and Reliability	Model Based Engineering & Testing	FMEA 1			
17:00 - 19:00	4	Virtual Exhibitors Reception						
7:45 - 8:00		Chairman's Corner - Grand A						Tuesday May 25
8:00 - 10:00	5	Introduction to Life Data Analysis	Probabilistic Analysis and Design		Reliability Modeling Design for Stress	Diagnostics & Prognostics 1		
10:15 - 12:15	6		Complex Problem Solving & Directed Acyclic Graphs	Artificial Intelligence Autonomy		FMEA 2		
13:30 - 15:30	7	Introduction to Fault Tree Analysis	A New Science for Reliability		SW Rel Aging & Rejuvenation	System Safety		
15:45 - 17:45	8		Reliability & Availability Modeling in Practice	Reliability Mgmt & Growth		Reliability Applications in Space		
7:45 - 8:00		Chairman's Corner - Grand A						Wednesday May 26
8:00 - 10:00	9	Monte Carlo Method & Reliability Applications Using Excel	Introduction to Maintenance Models		Life Data Analysis	Reliability Applications in Aircraft		
10:15 - 12:15	10	Advisory Board Panel - Grand C-D						
13:30 - 15:30	11	Machine Learning for Prognostics & Health Management	Dynamic Reliability & Artificial Intelligence		Dynamic Reliability Modeling	Reliability & Risk Management Analyses		
15:45 - 17:45	12	How to Analyze Repair Data	Design of Experiments for Reliability	Diagnostics & Prognostics 2	R&M Computational Methods			
18:30 - 21:30		General Reception & Banquet - Ballroom A						Thursday May 27
7:45 - 8:00		Chairman's Corner - Location: GRAND A						
8:00 - 10:00	13	Effective Design Verification Plan & Report (DVP&R) for Reliability	Introduction to Software Reliability Models		Maintenance Models & Methods 2	Reliability Applications in Aerospace Modeling		
10:15 - 12:15	14	737 MAX System Safety & Reliability Lessons Learned	Combined Environments Stress Screening	Reliability Allocations & Supportability Modeling	Prognostics & Health Management			

Legend	(T) = Tutorial	(PN) = Panel	(PS) = Paper Session
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