



2018 CALL FOR PAPERS & TUTORIALS

January 22 - 25, 2018, Silver Legacy Resort Casino, Reno, Nevada

2018 Theme: “RAMS Throughout the Product Lifecycle”

The 64th Annual Reliability & Maintainability Symposium (RAMS®) will be held at the Silver Legacy Resort Casino in Reno, NV the week of January 22-25, 2018. The theme for RAMS® 2018 is “RAMS Throughout the Product Lifecycle.” Implementing Reliability, Availability, Maintainability and Safety principles and process across the lifecycle is critical to designing, developing, and supporting successful products. This year’s theme offers a broad umbrella of opportunities for papers and tutorials that address the overall critically of RAMS disciplines in the design, development and support process, and how these disciplines can be applied on all technology through lessons learned, analyses, modeling and simulation, and training. Equally as important is the discussion of the classical approaches, spanning all technologies and disciplines in the focus to optimize performance. The implementation of the RAMS disciplines becomes a competitive advantage throughout the product life cycle to improve product quality and reduce life cycle cost. We want to learn more about how you obtain, manage, and effectively leverage any of the RAMS disciplines in your day-to-day quest to improve your technology and to bring to market those systems that make our world a better place.

With this in mind, we invite you to share your theoretical or practical findings as documented by research results, engineering studies, success stories, lessons learned, R&M based analyses and simulations, or R&M discoveries at the RAMS® 2018 in Reno. Tell us how you are designing, optimizing, and supporting systems (both hardware and software) by applying the RAMS disciplines. Tell us how you are using reliability and maintainability in other pursuits.

RAMS® is the premier forum for sharing your experience, knowledge, and roadmaps to success. Make your contribution to the advancement of the RAMS disciplines and enjoy participating in the rich exchange of ideas and solutions. We want you to contribute your unique experience to our synergistic symposium sponsored by nine professional societies. Plan to submit your paper or tutorial now.

RAMS® seeks to provide a mix of papers and tutorials. Papers are the best medium to document advancements in the state-of-the-art, and those accepted will be published in the Proceedings. A short technical presentation with discussion period (approximately one-half hour) will be given for each paper at the Symposium. It is the policy of RAMS® to publish all papers presented at RAMS® in IEEE Xplore. Tutorials provide more fundamental exposure to topics, and their technical depth ranges from introductory to advanced. Tutorials are presented in two-hour in-depth sessions at the Symposium. Examples of the most recent written papers and tutorials are available in the 2017 Proceedings and the 2017 Tutorial Notes.

The process for presenting a paper or tutorial at the RAMS® 2018 begins with your submission of an abstract. Your submittal should address topics pertinent to Reliability and Maintainability that are relevant to our theme, such as:

Accelerated Life Testing	R&M Applications in Aerospace
Availability	R&M Applications in Health Care
Big Data and IoT Applications in R&M	R&M Applications in Infrastructure Management
Business Process Improvement	R&M Applications in Manufacturing
Design Optimization Using R&M Techniques	R&M Applications in Service
Discrete Event Modeling & Simulation	R&M Applications in Supportability
Economic Models for R&M Equipment	R&M and Quality Appl. in Communications Design & Mfg.
Diagnostics and Prognostics	R&M Management
FMEA	Reliability Modeling
Fault Tolerance and Safety Critical Systems	Reliability Growth Analysis
Fault Tree Analysis	Repairable Systems
Human Reliability	Risk Analysis and Management
Knowledge Based Training	Security and Dependability Analysis
Life Data Analysis	Software Reliability and Testing
Maintenance Models and Methodologies	Software Safety
Physical Reliability Models	System Safety Analysis
Prognostics and Health Management	Warranty Data Analysis and Management
Quality Appl. in Electronics Design & Mfg.	

I look forward to seeing you and your paper or tutorial at RAMS®2018, 22-25 January 2018 in Reno, NV.

David Fernald, RAMS®2018 General Chair

Instructions for submitting your abstract can be found at RAMS.ORG following RAMS®2017.

Abstract will be due Saturday, 15 April 2017.