



[®]The Annual Reliability and Maintainability Symposium

2012 CALL FOR PAPERS & TUTORIALS

<http://rams.org>

ABSTRACT SUBMISSION DEADLINE — Monday, April 18, 2011

Securing Tomorrow's Future with Reliability and Maintainability

January 23-26, 2012 John Ascuaga's Nugget Hotel Reno, NV USA

The 58th Annual Reliability & Maintainability Symposium (RAMS) will be held in Reno, Nevada, in 2012. Reliability and maintainability are essential tools for organizations that seek to maintain a competitive edge with products that operate effectively, securely and economically.

Well informed reliability and maintainability professionals support the development and operation of systems that are easy to maintain after rare failures, require fewer parts and produce fewer scrapped components, and often consume fewer resources and are more energy efficient. We are interested in learning about your efforts to develop new ways to design secure, reliable, and maintainable systems, to collect and analyze data, to manage activities and processes, to plan and execute tests, and to formulate and evaluate mathematical models, all for the purpose of improving reliability, maintainability, and security.

We invite you to share your research results, practical knowledge and discoveries, success stories and lessons learned at the January 2012 symposium in Reno. Tell your peers how you are contributing to the development of cost effective, secure systems, and achieving other R&M objectives, by applying R&M concepts. RAMS is the premier forum for sharing your experience, knowledge, and roadmaps to success. Make your contribution to the advancement of the R&M discipline and to the rich exchange of ideas and solutions by submitting an abstract of a paper or tutorial.

Papers, our medium to advance the state-of-the-art, result in publication in the Proceedings and in an hour summary presentation (including a discussion period) at the Symposium. **Our Proceedings is published in IEEE Xplore.** Tutorials provide fundamental exposure to topics ranging from introductory through intermediate to advanced. They are presented in two-hour in-depth sessions at the Symposium. Examples of the most recent written papers and tutorials are available in the 2011 Proceedings and the 2011 Tutorial Notes. The process for presenting a paper or tutorial at 2011 RAMS begins with your submission of an **abstract**. Your submittal should address topics related to reliability and maintainability that are relevant to our theme, e.g.:

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|---|--|
| Accelerated Life Testing | R&M Applications in Manufacturing |
| Cost Benefit Analysis for R&M | R&M Applications in Service |
| Equipment Diagnostics and Prognostics | R&M Management |
| FMEA | R&M Lessons Learned |
| Fault Tree Analysis | Reliability Modeling |
| Human Reliability | Repairable Systems Modeling |
| Life Data Analysis | Risk Analysis and Management |
| Physical Reliability Models | Software Reliability Analysis |
| R&M Applications in Aerospace | System Safety |
| R&M Applications in Health Care | Warranties |
| R&M Applications in Homeland Security | |
| R&M Applications in Infrastructure Management | (See web site or recent Tutorial Notes for other topics) |

We look forward to receiving your abstract and seeing you in Reno.

Dr. Edward A. Pohl, General Chair, 2012 RAMS

For Abstract Submittal Procedure, See Page 2

The Annual Reliability and Maintainability Symposium is nonprofit and sponsored by these professional societies.





2012 CALL FOR PAPERS & TUTORIALS

DEADLINE (For Receipt) — Monday, April 18, 2011

<http://rams.org>

If you wish to present a paper or tutorial at 2012 RAMS, now is the time to begin your preparation. All papers must be new, that is to say, neither published nor presented at a national or international meeting prior to the Symposium. Papers presented at local meetings are acceptable. Tutorials must address key issue areas in reliability and maintainability. To have your paper or tutorial considered for 2012 RAMS, you must first submit an abstract.

Abstracts must be submitted via rams.org, and the abstract submission process will be available from February 15, 2011, until April 18, 2011.

To submit an abstract for a paper, an author must provide the following:

- a title of no more than 70 characters
- an abstract (all text—no equations, figure, or tables) of no more than 1000 words
- names and contact information for all authors, no more than 4 authors per paper
- an indication of which author will present the paper (if it is accepted) at the Symposium
- one or two relevant topic areas for the abstract from the list on page 1.

The names of the author(s) should not be included in the title nor abstract. Authors will also be asked to indicate if any authors are full-time students (to assess qualification for the RAMS student paper award), and to which (if any) of the 10 RAMS sponsoring societies an author belongs. Note that membership in a RAMS sponsoring society is not required.

Authors can submit no more than 4 abstracts for consideration. Each paper can have no more than four authors (authors cannot be added to a paper after the April 18, 2011 deadline) and no author can be affiliated with more than two papers in the final Proceedings.

To submit an abstract for a tutorial, an author must provide the following:

- a title of no more than 70 characters
- an abstract (all text—no equations, figure, or tables) of no more than 1000 words
- names and contact information for all authors

Authors will also be asked to which (if any) of the ten RAMS sponsoring societies each author belongs. Note that membership in a RAMS sponsoring society is not required.

Authors can submit no more than 4 tutorial abstracts for consideration. No tutorial can have more than two authors (authors cannot be added to a paper after the April 18, 2011, deadline) and no author can be affiliated with more than one tutorial at the Symposium.

Upon receipt of your abstract, you will receive a confirmation e-mail from RAMS. Therefore, it is critical that authors provide a valid e-mail address that can accept e-mail from rams.org.

Note that all correspondence regarding papers and tutorials will be sent to the e-mail address of the author who submits the abstract.

Review Procedure for Papers

In May, 2011, the RAMS Program Committee selects a preliminary program of candidate papers. Selection of candidate papers is based on innovativeness, technical merit, clarity, and relevance to the Symposium theme, as demonstrated by the abstract.

Authors will be notified in early June, 2011, of their status. Authors of candidate papers are required to submit complete drafts of both the paper and presentation slides by the end of July, 2010. **Draft papers should be submitted without author identification on the paper in order to accommodate blind review.** The specific requirements for papers and presentation slides will be communicated to authors in a timely fashion. Draft candidate papers will be subjected to review by the Program Committee and peer review (authors will be asked to review at least two other candidate or backup papers). Authors will be given feedback on their draft papers and presentation slides by the end of August, 2011.

Authors of candidate papers must submit their final paper and presentation slides by the end of September, 2011. Final papers will be reviewed by both the Program Committee and the RAMS Proceedings Editor. At this time, authors must also complete a RAMS Copyright Form, and at least one author of a candidate paper must register (at a reduced fee) for the Symposium.

By submitting an abstract for a paper, the author is accepting the condition that a candidate or backup paper may be rejected at any time if the Program Committee determines that the author is failing to comply with RAMS deadlines or policies, or if the Program Committee determines that the content of the paper is not of sufficient quality to merit publication in the Proceedings. For more information contact the Program Chair, David Oberhettinger, at davido@nasa.gov.

Review Procedure for Tutorials

The review procedure for tutorials is identical to the review procedure for papers with the following exceptions:

- draft tutorials are not subjected to peer review (only Program Committee review)
- authors of accepted tutorials receive gratis registration for the Symposium

For more information, contact the Tutorials Coordinator, Caroline Lubert, at lubertcp@jmu.edu.

By submitting an abstract for a paper, the author is accepting the condition that if their paper is ultimately accepted into the Proceedings, at least one author on the paper will register for the Symposium, attend the Symposium, and present the paper at the Symposium in reasonably fluent English.

By submitting an abstract for a tutorial, the author is accepting the condition that if their tutorial is ultimately accepted into the Symposium, the author or co-authors will attend the Symposium and deliver the tutorial at the Symposium in reasonably fluent English.