

CALL FOR PAPERS - RASD 2012

Recent Advances in Software Dependability

Co-located with

The 18th IEEE Pacific Rim International Symposium on Dependable Computing
(PRDC2012)

November 18-19 2012, Niigata Convention Center, Niigata, Japan

<http://prdc.dependability.org/2012/>

Software dependability has been more important for embedded systems, web applications, cloud computing services, computer-based infrastructures, and so on. New technologies and services which are invented in such systems often confront us with hard issues of software dependability and other related matters to be solved.

As a special session of PRDC2012, we aim to provide a forum for researchers and practitioners to present and discuss the state of the art and the new challenges in the workshop on **Recent Advances in Software Dependability (RASD)**, as well as providing a unique opportunity for establishing collaborations among several research groups and individuals interested in this research field.

TOPICS OF INTEREST

This call for paper is an invitation to all researchers and practitioners with an interest about the following topics (but not limited to):

- Experimental and measurement techniques in software dependability
- Modeling and analysis of software dependability
- Implementation of software dependability assessment tool
- Reports on the application of software dependability evaluation technologies to real systems
- Statistical prediction and estimation methods in software dependability
- Test strategies focused on aging-related faults
- Novel applications for dependable software systems
- Measurement of software dependability-related metrics
- Risk management of dependable software systems
- Performance evaluation techniques for dependable software systems
- Effective checkpointing technologies and evaluation
- Software aging and rejuvenation
- Redundant software systems
- Analysis of real case studies

PAPER SUBMISSION

Authors from academia, industry and government are invited to submit high quality unpublished research work describing the results of theoretical and experimental software dependability research. After rigorous review, all the accepted papers will be included in the IEEE Xplore Digital Library. Authors of selected high quality papers may be invited to submit an extended version of their papers in a Special Issue of the Journal of Software Engineering and Applications (JSEA; <http://www.scirp.org/journal/jsea>). The details on this Special Issue will be announced in the near future.

IMPORTANT DATES

Paper submission deadline (to be received by): September 5, 2012 (Extended!!)

Notification of acceptance: September 20, 2012 (Extended!!)

Submission of camera-ready papers and copyright forms: September 25, 2012 (Extended!!)

SUBMISSION INSTRUCTIONS

Papers must be written in English and be formatted according to the IEEE Computer Society Formatting Guidelines (<http://www.computer.org/portal/web/cscps/formatting>). The papers should describe original research (not be submitted or published elsewhere) and not exceed 6 pages. Paper submission will be done electronically sending a PDF version of the paper to: kim@hosei.ac.jp. Submission implies the willingness of at least one of the authors to register and present the paper at the workshop, if the paper is accepted.

ORGANIZING COMMITTEE

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