



The 17th IEEE Pacific Rim International Symposium on Dependable Computing (PRDC'11)

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<http://prdc.dependability.org/2011>

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Call for Papers

PRDC 2011 is the seventeenth in this series of symposia started in 1989 that are devoted to dependable and fault-tolerant computing. PRDC is now recognized as the main regular event of the Pacific area that covers the many dimensions of dependability and fault tolerance, encompassing fundamental theoretical approaches, practical experimental projects, and commercial components and systems. As applications of computing systems have permeated into all aspects of daily life, the dependability of computing system has become increasingly critical. This symposium provides a forum for countries around the Pacific Rim and other areas of the world to exchange ideas for improving the dependability of computing systems.

Topics of interest for submissions include (but are not limited to):

- Software and hardware reliability, testing, verification, and validation
- Dependability measurement, modeling, and evaluation
- Security quantification
- Self-healing, self-protecting, and fault-tolerant systems
- Software aging and rejuvenation
- Safety-critical systems and software
- Architecture and system design for dependability
- Fault-tolerant algorithms and protocols
- Tools for design and evaluation of dependable systems
- Reliability in Internet and web systems and applications
- Internet Information security
- Dependability issues in computer networks and communications
- Dependability issues in distributed and parallel systems
- Dependability issues in real-time systems, database, and transaction processing systems
- Dependability issues in autonomic computing
- Dependability issues in embedded systems

Paper Submissions

Manuscripts should be submitted in the following categories: Regular Papers and Practical Experience Reports. Regular Papers should describe original research (not submitted or published elsewhere) and be not more than 10 pages using IEEE guidelines or 20 pages double-spaced. Practical Experience Reports (max 6 pages using IEEE guidelines or 12 pages double-spaced) should describe an experience or a case study, such as the design and deployment of a system or actual failure and recovery field data. The title page should include a 150-word abstract, five keywords, authors' names and affiliations, and a line specifying whether the submission is a Regular Paper or a Practical Experience Report. The full mailing address, phone, fax, and email address of the corresponding author should be specified. All submissions must be made electronically (in PDF format) on the web site. Please visit our web site for full submission instructions and updated information on the symposium. Papers will be reviewed internationally and selected based on their originality, significance, relevance, and clarity of presentation. All accepted papers will be published by IEEE Computer Society Press.

One outstanding paper will be selected to receive the Best Paper Award. The best papers will also be invited to submit extended versions for publication in a special issue of the International Journal of Critical Computer-Based Systems (www.inderscience.com/ijccbs).

Important Dates

Submission: ~~May 31, 2011~~ June 14, 2011

Notification: ~~July 21, 2011~~ August 4, 2011



Call for Fast Abstracts

Fast Abstracts are 2-page manuscripts describing in-progress, novel, or controversial ideas. The submission deadline for Fast Abstracts is ~~August 13, 2011~~ August 20, 2011.

Call for Industry Track Submissions

The Industry Track provides a forum for practitioners and researchers from industry to present case studies, experiences, and practices. Only an abstract is required for submission. The submission deadline is ~~August 13, 2011~~ August 20, 2011.