

The 23rd IEEE Pacific Rim International Symposium on Dependable Computing (PRDC2018)

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<http://prdc.dependability.org/PRDC2018>

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Call for Papers

PRDC 2018 is the twenty-third event in the series of symposia started in 1989 that are devoted to dependable and fault-tolerant computing. PRDC is recognized as the main event in the Pacific area that covers 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 systems 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 include (but not limited to):

- Architecture and System Design for Dependability
- Dependability issues in Computer Networks and the Internet
- Dependability issues in Parallel and Distributed Systems
- Dependability issues in Real-time Systems
- Dependability issues in Databases and Transaction Processing Systems
- Dependability issues in Artificial Intelligence and its Applications
- Dependability Issues in Cloud Computing
- Dependability issues in Cyber-Physical Systems
- Dependability issues in Socio-Technical Systems
- Dependability Measurement, Modeling, Evaluation, and Tools
- Cloud Computing Security and Privacy
- Internet of Things Architectures and Protocols
- Internet of Things Security and Privacy
- Fault-tolerant Algorithms and Protocols
- Software Defined Networks Architectures and Protocols
- Software and Hardware Reliability
- Self-healing, Self-protecting, and Fault-tolerant Systems
- Safety-Critical Systems and Software
- Reliability in Web Systems and Applications

Submission and Publication Information

Manuscripts should be submitted in the following two 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 format guidelines or 20 pages double-spaced. Practical Experience Reports (max 6 pages using IEEE format 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 submission web site (<https://www.easychair.org/conferences/?conf=prdc2018>). 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 (EI Indexed). One outstanding paper will be selected to receive the Best Paper Award.

Important Dates

Submission deadline: June 1, 2018

Notification: August 15, 2018

Call for Fast Abstracts

Fast Abstracts are lightly-reviewed 2-page manuscripts in IEEE format describing unpublished, in-progress, novel work, opinions or ideas.

The submission deadline is September 1, 2018.

Call for Industry Track Submissions

The Industry Track provides a forum for researchers and practitioners to present and debate R&D challenges, practical solutions, case studies, and share field reliability data. Industry Track submissions should be a maximum of 6 pages using IEEE format guidelines.

The submission deadline is June 1, 2018.

Call for Posters

The Poster Session provides a forum to present and discuss works-in-progress with topics related to dependable systems. A poster paper should use the same format as a regular paper but with a maximum of 2 pages.

The submission Deadline is September 1, 2018.