



Call for Contributions

Fifth Latin-American Symposium on Dependable Computing

São José dos Campos, São Paulo, BRAZIL
April 25 – 29, 2011
<http://www.inpe.br/ladc2011>

Organized by: **INPE - Instituto Nacional de Pesquisas Espaciais**

Co-sponsored by: **SBC - Brazilian Computing Society • IEEE Computer Society Technical Committee on Dependable Computing and Fault Tolerance.**

IN COOPERATION WITH : IFIP Working Group 10.4 Dependable Computing and Fault-Tolerance • SMCC - Mexican Society for Computer Science
• SCCC - Chilean Computer Science Society • SADIO - Argentine Society for Informatics and Operations Research • AUDIO - Informatics and Operational Research Uruguayan Association.

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LADC is the major Latin-American event dedicated to discussing the many issues related to computer system dependability. This fifth edition will be held in São José dos Campos, São Paulo, Brazil. The LADC program will present technical sessions, workshops, student forum, tutorials, industrial tracks, and keynote talks from top international experts in the area. The symposium scope spans system, software, and hardware dependability research and technological challenges. Major topics include, but are not limited to:

Engineering dependable systems: hardware, networking, software, deployment, and maintenance;

Dependability of hardware: fault tolerant architectures, multi-core systems, virtualization, nanoscale computers, hardware dependability assessment;

Dependability of software: frameworks and software architectures for dependability, runtime monitoring, adaptation, model driven dependability

engineering, testing, verification, software certification;

Dependability of networks: LAN, WAN, mobile, ad-hoc, sensor networks, protocols;

Dependability of data: storage, databases;

Dependability of maintenance: tuning performance and availability, security configuration;

Dependability and human issues: human-computer interaction, management of complex systems;

Security: foundations, policies, protocols, access control, intrusion detection, intrusion tolerance;

Safety: incidents & accidents, risk perception and analysis, safety-critical applications and systems;

Critical infrastructure protection;

Algorithms and methods for dependable and secure computing;

Dependability and security modeling, measurement and benchmarking.

Only original papers (not published or under review elsewhere) should be submitted. All submissions must be made electronically through the conference web site. There will be an award for the **best paper of the conference**. The conference proceedings will be published by the IEEE CS.

INFORMATION FOR AUTHORS

Main track papers. Papers should be written in English and can be submitted in the following categories: **Regular Papers** describing original research, **Practical Experience Reports** describing an experience or a case study. Regular Papers and Practical Experience Reports should be no longer than 10 and 6 pages, respectively. Papers should be set in the IEEE double-column style, including figures, tables, references, and appendices. The font size should be 10 points. The first page should include an abstract, authors' name, addresses and affiliations, and specify whether the submission is to the Regular Paper or to the Practical Experience Report track. The full mailing address, telephone and FAX numbers, as well as e-mail address of the contact author should also be indicated.

Fast abstracts. These are short presentations, either on new ideas or work in progress that can address any issue relevant to dependability. Academics and industrial practitioners are invited to submit fast abstracts written in English, with size limited to two pages (IEEE style double-column format).

Student forum. The Student Forum at LADC provides an opportunity for students currently working in the area of dependable computing to present and discuss their research objectives, approaches and preliminary results. Student research papers should be single-authored and describe the topic, preliminary results, and future directions of the student's on-going research. Papers submitted to the Forum should be at most three pages in length (IEEE style double-column format).

Industrial track: This track intends to bring together people from both academia and industry in a venue that highlights practical and real world studies on dependable computing. These are short presentations that address any issue relevant to dependability as seen from an industrial perspective. The contributions to the industrial track should emphasize lessons learned from the practice of dependability, present a problem definition, its importance, the potential solution and analysis of results. Papers should be written in English and have 4 to 6 pages (IEEE style double-column format).

Tutorials and Workshops. Proposals for full day and half-day tutorials or workshops are also requested. **Tutorial** proposals should include the lecture outline, assumed background of audience, and bio of the presenter(s). **Workshops** provide a forum for a group of participants to interact and exchange opinions on topics related to dependable systems. Proposals should include the title, an outline of the theme and goals, as well as a brief bio of the organizer(s).

IMPORTANT DATES

Regular Papers and Practical Experience Reports

Abstract submission: September 24th, 2010

Full paper submission: October 1st, 2010

Author notification: January 14th, 2011

Camera ready: February 11th, 2011

Tutorials

Submission deadline: October 14th, 2010

Proponents notification: November 12th, 2010

Fast Abstracts and Student Forum

Submission deadline: February 4th, 2011

Author notification: March 1st, 2011

Camera ready: March 18th, 2011

Workshops

Submission deadline: September 24th, 2010

Proponents notification: October 24th, 2010

Industrial Track

Submission deadline: February 4th, 2011

Author notification: March 1st, 2011

Camera ready: March 18th, 2011