



DCCA-7 Call for papers

Seventh IFIP International Working Conference on Dependable Computing for Critical Applications

Can we rely on computers?

January 6–8, 1999 in San Jose California, USA

Organized by

IFIP Working Group 10.4 on Dependable Computing and Fault Tolerance

In cooperation with (pending approvals)

The Software Engineering Institute, Carnegie Mellon University

IFIP Technical Committee 11 on Security and Protection

IEEE Computer Society Technical Committee on Fault-Tolerant Computing

EWICS Technical Committee 7 on Systems Reliability, Safety and Security



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Roger Shaw, ERA Technology Ltd., UK

Paulo Veríssimo, Univ. of Lisbon, Portugal

Ex-officio

Hermann Kopetz, TU Vienna, Austria;

IFIP WG 10.4 Chair

Important Dates

Submission deadline: 3 August 1998

Notification of acceptance: 12 Oct. 1998

Camera-ready copy: 16 November 1998

Conference: 6–8 January 1999

Submitting a Paper

Papers should be submitted electronically according to the instructions available from the Web page given at right.

This is the seventh conference in a series dedicated to advancing the theory and practice of dependable computing for critical applications. Previously unpublished papers are sought in all aspects of dependable computing, including, but not limited to:

- Attributes of dependability such as security, safety, reliability
- Impairments to dependability such as permanent and transient faults, intrusions, design flaws, human error
- Algorithms and techniques for fault-tolerant, real-time, secure, distributed systems
- Design and verification techniques such as formal methods, model checking, fault injection, stochastic modeling
- Requirements validation, hazard analysis, safety analysis
- Regulatory and certification issues such as standards, safety cases, reliability assessment
- Critical application areas such as transportation and medical systems, process and power industries

Papers that deal with combinations of issues, such as security and reliability, or combinations of techniques, such as formal methods and fault injection, are particularly encouraged.

DCCA differs from other conferences on related topics in encouraging participation across all fields that contribute to dependable computing, and in its format as a working conference that provides ample time for discussion; these attributes provide for a stimulating meeting that facilitates cross-fertilization of ideas and interaction between researchers and practitioners.

Proceedings

The proceedings will be published as a book in the Dependable Computing Series of the IEEE Computer Society (which also published the proceedings of DCCA-5 and DCCA-6), with preliminary proceedings available at the conference and on the Web.

Location

The conference will be held at the Fairmont Hotel in San Jose, California. San Jose, at the southern end of the San Francisco Bay, is in the heart of Silicon Valley. There are direct flights to San Jose airport from major US cities and gateways. Alternatively, you can fly to San Francisco, about 40 miles north, and use a van service, bus, or rental car. The winter weather in San Jose is mild with overnight low temperatures around 50F/10C and daytime highs around 65F/18C; the typical pattern alternates rainstorms of 2–3 days duration with week-long spells of sunshine and clear skies.

For More Information

Please visit <http://www.csl.sri.com/dcca7>

Instructions for Preparing and Submitting Papers to DCCA-7

Submitted papers must be original work, neither published, nor accepted, nor submitted elsewhere. Papers must include a short abstract and a list of keywords to assist in assigning reviewers and must be received by the deadline: **Monday, 3 August 1998**.

Length and Format

Papers must not exceed 6,000 words, or 20 pages in the format specified below (whichever is shorter). Papers that exceed these limits will be rejected without review.

Papers should be formatted according to the specifications for a book of collected papers published by IEEE Computer Society Press. (Note: this format is *completely different* from the IEEE proceedings format). The specifications, together with L^AT_EX and MS Word templates are available by anonymous FTP from <ftp://ftp.computer.org/pub/outgoing/cspress/books>.

Please make sure your *pages are numbered* (the instructions talk about turning page numbering off, but that's for the final camera-ready form; for reviewing we want page numbering on).

L^AT_EX Notes: If necessary, you may substitute Computer-Modern for the Times fonts (in fact, you may omit any of the `usepackage` declarations from the template file), but may not change the font sizes nor page margins. The L^AT_EX template requires L^AT_EX2e. If you absolutely must use L^AT_EX2.09, pick up the files `csmult209.tex` and `csinstr209.tex` from the DCCA Web page.

Submission Procedures

Your paper must be submitted electronically as a self-contained postscript (strongly preferred) or Adobe Acrobat (PDF) file. Please consult the DCCA Web page or follow these steps:

1. Create a self-contained postscript or acrobat file for your paper. Check that it can be processed satisfactorily by standard viewers (Ghostview, Acrobat) and printers (Ghostscript, generic postscript printers).
2. Optionally compress postscript files with either Unix Compress, GNU gzip, or DOS/Windows ZIP. Acrobat files are already compressed.
3. If your paper is in acrobat format, or if your postscript file is compressed, then use UUencode or mime-encapsulation so that the binary file will get through the mail correctly. You are encouraged to practice by mailing the file to yourself and checking that it can be processed and printed correctly.
4. Fill in and submit the DCCA electronic submission form at <http://www.csl.sri.com/~rushby/dcca7/submit.html> (or follow the links from the DCCA Web page).
5. Email the file containing your paper to Rushby@csl.sri.com in a message with *DCCA7 submission* as the subject.

You will receive an acknowledgment when we have checked that your file can be viewed and printed ok.

Exceptions

Persons in countries with poor internet connectivity, or for whom these submission requirements are onerous in some other way, may submit a single hard copy of their paper by regular mail, or an electronic copy, in whatever format they can manage, to the following address. All papers must be received by the deadline and electronic submissions must be capable of being interpreted by a generic Unix system.

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