CALL FOR PAPERS

International Symposium on Performance Analysis of Systems and Software – ISPASS-2001

November 4-6, 2001
Westward Look Resort Hotel
Tucson, Arizona

Sponsored by the IEEE Computer Society's TCI, TCCA, and TCMARCH

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Papers are solicited for the IEEE International Symposium on Performance Analysis of Systems and Software 2001. ISPASS provides a forum for sharing advanced and well-established academic and industrial R&D work focused on performance analysis in the design of systems and software. Authors are invited to submit previously unpublished work for possible presentation at this conference. All accepted papers will be published in the conference proceedings. In addition to regular research papers, we encourage the submission of tutorial or survey papers from established R&D groups. All submitted papers will be reviewed by the program committee prior to a decision about acceptance.

Performance Analysis and Workload Characterization define the main theme of this conference. Two focus areas of interest this year are: web-enabled systems & software and real-time systems & software. In addition, systems and software related to general and other special-purpose data processing remain of interest and relevance to this symposium. Topics include, but are not limited to:

Performance Analysis and Workload Characterization:

- Analytical models for performance prediction
- Simulation-based modeling techniques
- Speed-accuracy tradeoffs in modeling hierarchies
- Use of parallel processing to speed up simulation
- Power/energy aware modeling and evaluation
- Model validation and testing; defect coverage issues
- Performance analysis of processors and systems:
- Performance and scalability analysis of multiprocessor systems
- Measurement and analysis of real systems; case studies
- Compiler and operating system issues in performance analysis
- Quantitative workload behavior characterization
- Analytical modeling of workload behavior
- Characterization of emerging applications:
- Characterization of multiprocessor applications
- Multithreaded workload characterization
- Energy content, characterization and tuning of workloads
- Trace collection, sampling and validation issues, methods
- Benchmarking and micro-benchmarking issues, methods

Special Focus Areas:

- Web-enabled Systems and Software
- Real-Time Systems and Software

Papers of no more than 20 double-spaced pages, including figures, are solicited. The cover page of each submitted paper should include paper title, brief abstract, list of keywords, full names of authors, affiliations, complete addresses, telephone numbers, and email addresses. Authors are requested to submit papers in Postscript or PDF format. Instructions for electronic submissions are available at: http://ispass.org/submit.html

Important Dates

Submission	Acceptance	Final version
4 June 2001 (plus automatic 1 week extension)	15 August 2001	21 September 2001

For more information visit the ISPASS web site at http://ispass.org