CAV'01 – Preliminary CALL FOR PAPERS

Conference on Computer Aided Verification

Paris, France, July 18-22, 2001

http://www.lsv.ens-cachan.fr/cav01

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Invited Speakers:

to be announced.

Sponsors:

to be announced.

Aims and Scope of the Conference: CAV'01 conference is the thirteenth in a series dedicated to the advancement of the theory and practice of computer-assisted formal analysis methods for software and hardware systems. The conference covers the spectrum from theoretical results to concrete applications, with an emphasis on practical verification tools and the algorithms and techniques that are needed for their implementation. The proceedings of the conference will be published in the Springer-Verlag Lecture Notes in Computer Science series.
Topics of interest include:

- Modeling and specification formalisms (such as logical, automata-based, and algebraic methods) ;
- Algorithms and tools (such as state-space exploration, model-checking, synthesis, automated deduction, and proof-checking) ;
- Verification techniques (such as state-space and transition-relation reduction methods, symbolic methods, probabilistic methods, compositional and modular reasoning, theorem proving, proof checking, and integration of algorithmic and deductive methods) ;
- Applications and case studies (such as synchronous and asynchronous circuits, communication protocols, distributed algorithms, real-time and embedded control systems, security) ;
- Testing based on verification technology ;
- Verification in practice (integration of verification with design, specification, testing, debugging, and code generation).

Submission Information: The conference will include contributed papers, tool presentations, and invited lectures. There are two categories of submissions:
A. Regular papers. Submissions should include an extended abstract not exceeding ten (10) pages. The submission should contain original research, and sufficient detail to assess the merits and relevance of the contribution. For papers reporting experimental results, authors are strongly encouraged to make their data available with their submission. Simultaneous submission to other conferences with proceedings or submission of material that has already been published elsewhere is not allowed.
B. Tool presentations. Submissions should be an abstract not exceeding four (4) pages. The same page limit (4) applies to the conference proceedings. The submission should describe the implemented tool and its novel features. A demonstration is expected to accompany a tool presentation. Papers describing tools that have already been presented in this conference before will be accepted only if significant and clear enhancements to the tool are reported and implemented.

Each submission should start with a title page containing the category (A or B), the title of the paper, each author's name and affiliation, the contact author's physical and e-mail addresses, and a one- or two-paragraph abstract. Submissions should be sent either by e-mail as a *postscript* or *pdf* file, *or* by post (10 hard-copies) to the address below.

Important Dates:

Paper submission (firm)	January 15, 2001
Notification of acceptance	March 21, 2001
Final version due	April 16, 2001

Submissions not received by January 15, 2001, or exceeding the page limit run the risk of automatic rejection.

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