CALL FOR PAPERS
Conference on Computer-Aided Verification, CAV '99

July 7-10, 1999 — Trento, Italy

URL: http://www-verimag.imag.fr/CAV99

Important Dates

Submission deadline (firm): Jan. 3, 1999
Notification of acceptance: Feb. 23, 1999
Final version due: Mar. 22, 1999

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CAV'99 is part of the second Federated Logic Conference (FLOC'99, see http://www.cs.bell-labs.com/cm/cs/what/floc99).
This conference is the eleventh 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.
The 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, and automated deduction)
- Verification techniques (such as state-space and transition-relation reduction methods, symbolic methods, probabilistic methods, compositional and modular reasoning, 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: A submission of a regular paper 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 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: Tool submission should be an abstract not exceeding four (4) pages. The same page limit (4) applies to the conference proceedings. The submission should describe the tool and its novel features. Tool papers must describe tools that were already implemented. 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 substantial and clear enhancements to the tool are reported and were implemented.

Authors are strongly encouraged to use the electronic submission procedure provided on the CAV'99 web page http://www-verimag.imag.fr/CAV99
People who don't have access to the net can send seven (7) hard-copies of the submission to

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Every such 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.

Please direct all inquiries about CAV'99 to cav99@imag.fr