

CALL FOR PAPERS

**9TH SYMPOSIUM ON THE INTEGRATION OF
SYMBOLIC COMPUTATION AND MECHANIZED REASONING**
— **CALCULEMUS-2001** —

Siena, Italy, June 21-22, 2001 (co-located with IJCAR-2001)

<http://www.cs.unitn.it/~rseba/calculemus2001/>

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Generalities

Both deduction systems and computer algebra systems are receiving growing attention from industry and academia. On the one hand, mathematical software systems have been commercially very successful. Their use is now wide-spread in industry, education, and scientific contexts. On the other hand, the use of formal methods in hardware and software development has made deduction systems indispensable not least because of the complexity and sheer size of the reasoning tasks involved. As many application domains fall outside the scope of existing deduction systems and computer algebra systems, there is still need for improvement and in particular need for the integration of computer algebra and deduction systems.

The symposium is intended for researchers and developers interested in combining the reasoning capabilities of deduction systems and the computational power of computer algebra systems.

Topics of interest for the symposium include all aspects related to the combination of deduction systems and computer algebra systems. We explicitly encourage submissions of results from applications and case studies where such integration results are particularly important.

Consistent with the tradition of the symposium as a lively forum for discussing controversial ideas, we expect and encourage contributed talks to present work in progress, rather than polished final results.

Proceedings

Given the informal style of the symposium, there will not be archival proceedings, but only informal ones. This means that the symposium will be open to student's work, work in progress, etc.

Special issue of Journal of Symbolic Computation

After the symposium there will be a selection of top-quality research papers for a special issue of Journal of Symbolic Computation.

Invited Speaker (joint event with IJCAR)

Doron Zeilberger, Department of Mathematics, Temple University, Philadelphia, USA.

Submission

Authors are invited to submit papers in the following categories:

- Full papers up to 15 pages.
- System descriptions of up to 5 pages describing new systems or significant upgrades of existing ones, especially including experiments.

For submission details, see the Calculemus-2001 web site. Authors of accepted full papers and system descriptions are expected to present their contribution at the symposium. Authors of system descriptions are expected to demonstrate their systems.

Important dates

Submission deadline:	April 9, 2001
Notification of acceptance:	May 7, 2001
Deadline for final papers:	May 21, 2001
Symposium:	June 21-22, 2001
IJCAR:	June 18-23, 2001

(Full details available at
CALCULEMUS-2001 web
page at the address given above.)