Call for Papers – FTP97

International Workshop on First-Order Theorem Proving (FTP97)

Schloss Hagenberg, Austria, October 27–28, 1997

http://www.logic.at/FTP97

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Important dates:

August 27, 1997	Paper submissions
September 15, 1997	Acceptance notification
September 30, 1997	Camera-ready copy due
October 27–28, 1997	FTP97
October 29–31, 1997	CP97 Main program
November 1, 1997	CP97 Workshops

Scope: The workshop is intended to focus effort on First-Order Theorem Proving as a core theme of Automated Deduction, and to provide a forum for presentation of very recent work and discussion of research in progress. The workshop welcomes original contributions on theorem proving in first-order logics, including resolution and tableau methods; equational reasoning and term-rewriting systems; constraint-based reasoning; unification algorithms for first-order theories; specialized decision procedures; propositional logic; abstraction; first-order constraints; complexity of theorem proving procedures; and applications of first-order theorem provers to problems in artificial intelligence, verification, mathematics, as well as other areas. Papers bridging the areas of theorem proving and constraints (e.g., in the areas of equational reasoning, term rewriting systems, and satisfiability problems) are especially welcome.

Technical Program: The technical program will include presentations of the accepted papers and an invited talk by Bruno Buchberger (RISC Linz) entitled *The Theorema Project: An Overview*. There will be ample time for questions and discussions in an informal atmosphere to foster the exchange of new ideas.
The Workshop is held right before CP97, the International Conference on Constraint Programming, which will be in the same location on October 29, 30, and 31, with post-conference workshops on November 1. Theorem proving is one of the disciplines which have contributed to the growth of constraints as a representational and computational paradigm of wide application in Computer Science. In turn, the advances in the field of constraints are important to theorem proving. The organization of the two events in sequence is meant to represent an opportunity for cross-fertilization of ideas between the two neighboring fields.
Attendance of both events is strongly encouraged (information on double registration will be available in the calls for participation of both FTP97 and CP97). More information on CP97 can be found at http://www.mpi-sb.mpg.de/conferences/CP97.

Conference venue: Schloss Hagenberg, the home of the Research Institute for Symbolic Computation (RISC), is a renovated, medieval castle, in the lovely landscape of the hills surrounding the city of Linz, Austria.

Submissions: Authors are invited to submit an extended abstract of up to 5 pages, with font size not smaller than 11pt, as uuencoded gzipped Postscript files, preferably produced by LaTeX, sent by electronic mail to ftp97@cs.uiowa.edu. (See the FTP97 home page for instructions.) The first page should contain the title, authors, e-mail and postal addresses of the authors. Extended abstracts of papers published or submitted elsewhere are not acceptable.
The submission deadline is August 27, 1997. This is a firm deadline. Decisions on acceptance will be sent by September 15, 1997. The deadline for sending the final versions of the extended abstracts is September 30, 1997. This also is a firm deadline.

Publication: The extended abstracts that are accepted will be collected in a Technical Report of RISC-Linz, which will be distributed at the workshop. A special issue of the Journal of Symbolic Computation, entitled *Recent Advances in First-Order Theorem Proving*, is being planned. The authors of accepted extended abstracts will have the possibility of submitting a full version of their papers to the special issue. More information on this special issue, including the deadline for submission of the full papers, will be announced at or after the workshop.

Additional information will be available at the FTP97 web site: http://www.logic.at/FTP97.