2nd International Workshop on Implementation of Logics

December 2001, La Habana, Cuba

Following the successful *Reunion Workshop on Implementations of Logic*(held in conjunction with LPAR'2000), there will be a second workshop on this topic, to be held in conjunction with the *8th International Conference on Logic for Programming, Artificial Intelligence and Reasoning*, LPAR'2001, in Havana (La Habana), Cuba, December 3-7, 2001.

We are looking for contributions describing the implementation of automated reasoning programs, theorem provers for various logics, logic programming systems, and related technologies. Topics of interest include, but are not limited to:

- Datastructures and algorithms for the efficient representation of logical concepts
- Practical constraint handling
- Implementation of provers for different logics
- Efficient model generation
- Issues of reliability, witness generation, and witness verification
- Propositional logic and decision procedures
- Implementation of higher order logics and lambda-calculus
- Proof search organization and efficient heuristics for classical and inductive provers
- Experiences with new or unusual calculi
- Evaluation and benchmarking of provers and other logic-based systems

We are particularly interested in contributions that help the community to understand how to build useful and powerful reasoning systems in practice. Researchers interested in participating are invited to send a short abstract (4 pages) to `schulz@informatik.tu-muenchen.de`. Submissions will be refereed by the program committee, which will select a balanced program of high-quality contributions. Submissions should be in standard-conforming Postscript or plain ASCII. Final versions should be in Postscript and will be included in the proceedings. The proceedings of the workshop will be published as an MPI preprint by the *Max-Plank-Institut für Informatik*, and will be distributed at the workshop.

Important Information:

- Submission of abstracts: September 15th
- Notification: October 1st
- Final version: November 1st
- Workshop: In conjunction with LPAR, December 3rd to 7th, 2001. The exact date still has to be determined.
- More information: `http://wwwjessen.informatik.tu-muenchen.de/~schulz/WORK/lpar-ws.html`

Program committee:

- Thom Frühwirth, Ludwig-Maximilians-Universität München
- Joseph D. Horton, University of New Brunswick
- Ullrich Hustadt, University of Liverpool
- Reinhold Letz, Technische Universität München
- Bernd Löchner, Universität Kaiserslautern
- William McCune, Argonne National Laboratory
- Roberto Nieuwenhuis, Technical University of Catalonia
- Hans De Nivelle (Co-Chair), MPI Saarbrücken
- Stephan Schulz (Co-Chair), Technische Universität München
- Mark E. Stickel, SRI International
- Tanel Tammet University of Göteborg *and* Chalmers University of Technology