We are pleased to announce a new competitive event for Boolean SAT Solvers called

SAT-Race 2006

which stands in the tradition of the SAT Competitions and will take place before and during the SAT 2006 conference held on August 12–15 as part of the Federated Logic Conference (FLoC) in Seattle, WA, USA.

Objective

The area of SAT Solving has seen tremendous progress over the last years. Many problems (e.g. in hardware and software verification) that seemed to be completely out of reach a decade ago can now be handled routinely. Besides new algorithms and better heuristics, refined implementation techniques turned out to be vital for this success. To keep up the driving force in improving SAT solvers we want to motivate implementors to present their work to a broader audience and to compare it with that of others.

Design and Organization

Researchers from both academia and industry are invited to submit their solvers – in either source code or binary format – to SAT-Race 2006. During SAT-Race all entrants will have to solve a set of benchmark instances in DIMACS CNF format that will be drawn randomly from a pool of SAT instances. This pool will mainly consist of benchmarks from previous SAT Competitions (Industrial Category), but may be extended with additional instances of practical relevance. The exact benchmark set will not be published in advance; a set of similar benchmark instances will be made available for testing purposes, however. For each instance and solver there will be a time limit of 15 minutes. We will also organize qualification rounds, where participation in at least one of them is mandatory to qualify for the SAT-Race. Assessment of solvers will be based on the number of successfully handled instances and the time needed to solve them. Details of the *modus operandi* are published on the web under **http://www.fmv.jku.at/sat-race-2006**.

Important Dates

- **March 31, 2006:** Deadline for registering solvers.
- **April–June 2006:** Qualification phase; exact dates of the qualification rounds will be published on the web.
- **June 30, 2006:** Deadline for submitting final versions of the solvers.
- **August 15, 2006:** Announcement of results on the SAT 2006 conference.

Organizing Committee

Chair: *Carsten Sinz,* Johannes Kepler University Linz, Austria
Advisory Panel: *Nina Amla*, Cadence Design Systems, USA
João Marques Silva, University of Southampton, UK
Emmanuel Zarpas, IBM Haifa Research Lab, Israel
Techn. Consultants: *Daniel Le Berre*, Université d'Artois, France
Laurent Simon, Université Paris-Sud, France