Preface

This volume contains the papers of the 7th Workshop on *User Interfaces for Theorem Provers (UITP 2006)*, which was held on 21st of August, 2006, in Seattle, Washington, USA. UITP 2006 was affiliated with the *International Joint Conference on Automated Reasoning (IJCAR 2006)* and organized as a part of *The 2006 Federated Logic Conference (FLoC 2006)* which took place in Seattle from 10th to 22nd of August, 2006.

The *User Interfaces for Theorem Provers* workshop series brings together researchers interested in designing, developing and evaluating interfaces for interactive proof systems, such as theorem provers, formal methods tools, and other tools manipulating and presenting mathematical formulas. UITP provides a forum for all those interested in improving human interaction with and usability of proof systems.

The first workshop in the UITP series was held in 1995 in Glasgow (organized by Phil Gray, Tom Melham, Muffy Thomas and Stuart Aitken). Further meetings took place in 1996 in York (organized by Nicholas Merriam, Michael Harrison and Andy Dearden), 1997 in Antibes (organized by Yves Bertot) and 1998 in Eindhoven (organized by Roland Backhouse). There followed a break until 2003 when the workshop was revived by David Aspinall and Christoph Lüth and organized as part of the *Theorem Proving in Higher Order Logics (TPHOLs 2003)* conference in Rome. UITP 2005 (again organized by David Aspinall and Christoph Lüth) was held as a satellite workshop of the *European Joint Conferences on Theory and Practice of Software (ETAPS 2005)* in Edinburgh. The present organizers were asked to organize another UITP workshop in 2006 and we decided to do this in affiliation with IJCAR at this years FLoC.

The high quality papers published in this volume (and the previous ENTCS UITP volumes) document the liveliness and innovative strength of the UITP community. Despite the recently increasing interest in better interfaces for theorem provers and mathematical support tools, however, we are convinced that the UITP initiative requires and deserves a regular and sustainable fostering and also better visibility in and communication with the wider *Artificial Intelligence* community.

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for their support and productive collaboration. Many thanks to the organizers of FLoC'06 and IJCAR'06, in particular Tom Ball, for setting up the FLoC workshop environment, and Andrei Voronkov, for his EasyChair conference tool that simplified our organizational work a lot. Last but not least, many thanks to all authors who submitted papers and to all active participants at the workshop.

Serge Autexier and Christoph Benzmüller
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