Lecture Notes in Computer Science 3223

Commenced Publication in 1973
Founding and Former Series Editors:
Gerhard Goos, Juris Hartmanis, and Jan van Leeuwen

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Theorem Proving in Higher Order Logics

17th International Conference, TPHOLs 2004
Park City, Utah, USA, September 14-17, 2004
Proceedings

Springer

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Library of Congress Control Number: 2004111288

CR Subject Classification (1998): F.4.1, I.2.3, F.3.1, D.2.4, B.6.3

ISSN 0302-9743
ISBN 3-540-23017-3 Springer Berlin Heidelberg New York

Typesetting: Camera-ready by author, data conversion by Olgun Computergrafik
Printed on acid-free paper SPIN: 11319238 06/3142 5 4 3 2 1 0

Preface

This volume constitutes the proceedings of the *17th International Conference on Theorem Proving in Higher Order Logics* (TPHOLs 2004) held September 14–17, 2004 in Park City, Utah, USA. TPHOLs covers all aspects of theorem proving in higher-order logics as well as related topics in theorem proving and verification.

There were 42 papers submitted to TPHOLs 2004 in the full research category, each of which was refereed by at least 3 reviewers selected by the program committee. Of these submissions, 21 were accepted for presentation at the conference and publication in this volume. In keeping with longstanding tradition, TPHOLs 2004 also offered a venue for the presentation of work in progress, where researchers invited discussion by means of a brief introductory talk and then discussed their work at a poster session. A supplementary proceedings containing papers about in-progress work was published as a 2004 technical report of the School of Computing at the University of Utah.

The organizers are grateful to Al Davis, Thomas Hales, and Ken McMillan for agreeing to give invited talks at TPHOLs 2004.

The TPHOLs conference traditionally changes continents each year in order to maximize the chances that researchers from around the world can attend. Starting in 1993, the proceedings of TPHOLs and its predecessor workshops have been published in the Springer Lecture Notes in Computer Science series:

1993 (Canada)	Vol. 780	1999 (France)	Vol. 1690
1994 (Malta)	Vol. 859	2000 (USA)	Vol. 1869
1995 (USA)	Vol. 971	2001 (UK)	Vol. 2152
1996 (Finland)	Vol. 1125	2002 (USA)	Vol. 2410
1997 (USA)	Vol. 1275	2003 (Italy)	Vol. 2758
1998 (Australia)	Vol. 1479	2004 (USA)	Vol. 3223

We would like to thank Amber Chisholm and Perry Hacker of University of Utah Conference Services for their help in many aspects of organizing and running TPHOLs.

Finally, we thank our sponsors: Intel and the National Science Foundation.

June 2004

Konrad Slind,
Annette Bunker,
and Ganesh Gopalakrishnan

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