

Emerging Trends
Proceedings of the 17th International Conference
on Theorem Proving in Higher Order Logics:
TPHOLs 2004

Preface

This volume constitutes the proceedings of the Emerging Trends track of the *17th International Conference on Theorem Proving in Higher Order Logics* (TPHOLs 2004) held September 14-17, 2004 in Park City, Utah, USA. The TPHOLs conference 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 volume 3223 of Springer's *Lecture Notes in Computer Science* series.

In keeping with longstanding tradition, TPHOLs 2004 also offered a venue for the presentation of work in progress, where researchers invite discussion by means of a brief introductory talk and then discuss their work at a poster session. The work-in-progress papers are held in this volume, which is published as a 2004 technical report of the School of Computing at the University of Utah.

August 2004

Konrad Slind