

1. Record Nr.	UNISA996465875103316
Titolo	Theorem Proving in Higher Order Logics [[electronic resource]] : 14th International Conference, TPHOLs 2001, Edinburgh, Scotland, UK, September 3-6, 2001. Proceedings // edited by Richard J. Boulton, Paul B. Jackson
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2001
ISBN	3-540-44755-5
Edizione	[1st ed. 2001.]
Descrizione fisica	1 online resource (X, 402 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2152
Disciplina	004/.01/51
Soggetti	Programming languages (Electronic computers) Computers Artificial intelligence Mathematical logic Computer logic Software engineering Programming Languages, Compilers, Interpreters Theory of Computation Artificial Intelligence Mathematical Logic and Formal Languages Logics and Meanings of Programs Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Invited Talks -- JavaCard Program Verification -- View from the Fringe of the Fringe -- Using Decision Procedures with a Higher-Order Logic -- Regular Contributions -- Computer Algebra Meets Automated Theorem Proving: Integrating Maple and PVS -- An Irrational Construction of ? from ? -- HELM and the Semantic Math-Web -- Calculational Reasoning Revisited An Isabelle/Isar Experience -- Mechanical Proofs about a Non-repudiation Protocol -- Proving Hybrid Protocols Correct -- Nested General Recursion and Partiality in Type

Theory -- A Higher-Order Calculus for Categories -- Certifying the Fast Fourier Transform with Coq -- A Generic Library for Floating-Point Numbers and Its Application to Exact Computing -- Ordinal Arithmetic: A Case Study for Rippling in a Higher Order Domain -- Abstraction and Refinement in Higher Order Logic -- A Framework for the Formalisation of Pi Calculus Type Systems in Isabelle/HOL -- Representing Hierarchical Automata in Interactive Theorem Provers -- Refinement Calculus for Logic Programming in Isabelle/HOL -- Predicate Subtyping with Predicate Sets -- A Structural Embedding of Ocsid in PVS -- A Certified Polynomial-Based Decision Procedure for Propositional Logic -- Finite Set Theory in ACL2 -- The HOL/NuPRL Proof Translator -- Formalizing Convex Hull Algorithms -- Experiments with Finite Tree Automata in Coq -- Mizar Light for HOL Light.

Sommario/riassunto

This volume constitutes the proceedings of the 14th International Conference on Theorem Proving in Higher Order Logics (TPHOLs 2001) held 3–6 September 2001 in Edinburgh, Scotland. TPHOLs covers all aspects of theorem proving in higher order logics, as well as related topics in theorem proving and verification. TPHOLs 2001 was collocated with the 11th Advanced Research Working Conference on Correct Hardware Design and Verification Methods (CHARME 2001). This was held 4–7 September 2001 in nearby Livingston, Scotland at the Institute for System Level Integration, and a joint half-day session of talks was arranged for the 5th September in Edinburgh. An excursion to Traquair House and a banquet in the Playfair Library of Old College, University of Edinburgh were also jointly organized. The proceedings of CHARME 2001 have been published as volume 2144 of Springer-Verlag's Lecture Notes in Computer Science series, with Tiziana Margaria and Tom Melham as editors. Each of the 47 papers submitted in the full research category was refereed by at least 3 reviewers who were selected by the Program Committee. Of these submissions, 23 were accepted for presentation at the conference and publication in this volume. In keeping with tradition, TPHOLs 2001 also offered a venue for the presentation of work in progress, where researchers invite discussion by means of a brief preliminary talk and then discuss their work at a poster session. A supplementary proceedings containing associated papers for work in progress was published by the Division of Informatics at the University of Edinburgh.

2. Record Nr.	UNINA9910557613903321
Autore	Heikkonen Jukka
Titolo	Application of Multi-Sensor Fusion Technology in Target Detection and Recognition
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 online resource (168 p.)
Soggetti	Information technology industries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Application of multi-sensor fusion technology has drawn a lot of industrial and academic interest in recent years. The multi-sensor fusion methods are widely used in many applications, such as autonomous systems, remote sensing, video surveillance, and the military. These methods can obtain the complementary properties of targets by considering multiple sensors. On the other hand, they can achieve a detailed environment description and accurate detection of interest targets based on the information from different sensors. This book collects novel developments in the field of multi-sensor, multi-source, and multi-process information fusion. Articles are expected to emphasize one or more of the three facets: architectures, algorithms, and applications. Published papers dealing with fundamental theoretical analyses, as well as those demonstrating their application to real-world problems.</p>