FTP97 – Schedule

Schloss Hagenberg, Austria, October 27–28, 1997

Monday 27 October 1997

08:45 – 09:00 Opening Remarks

09:00 – 10:00 Invited Talk I

Bruno Buchberger:
The Theorema Project: An Overview

10:00 – 10:30 Break

10:30 – 12:10 Session I

Matthias Baaz and Alexander Leitsch:
Cut Elimination by Resolution

Ricardo Caferra and Nicolas Peltier:
Model building in the cross-roads of consequence and non-consequence relations

Carsten Bierwald and Thomas Käufl:
Tableau Prover Tatzelwurm: Hyper-Links and UR-Resolution

Uwe Petermann:
Building-In Hybrid Theories

12:10 – 14:00 Lunch Break

14:00 – 15:40 Session II

John Harrison:
First Order Logic in Practice

Ingo Dahn and Christoph Wernhard:
First Order Proof Problems Extracted from an Article in the MIZAR Mathematical Library

Alfons Geser and Wolfgang Küchlin:
Structured Formal Verification of a Fragment of the IBM 390 Clock Chip

Wolfgang Reif and Gerhard Schellhorn:
Theorem Proving in Large Theories

15:40 – 16:10 Break

16:10 – 17:50 Session III

Maria Paola Bonacina:
On the representation of parallel search in theorem proving

Thierry Boy de la Tour:
Up-to-Isomorphism Enumeration of Finite Models - The Monadic Case

Albert Brandl, Christian G. Fermüller, and Gernot Salzer:
Testing for Renamability to Classes of Clause Sets

Domenico Cantone, Alessandra Cavarra, and Eugenio Omodeo:
On existential quantified conjunctions of atomic formulae of $\mathcal{L}^+$

Tuesday 28 October 1997

09:00 – 10:15 Session IV

Eric Gascard and Laurence Pierre:
Two Approaches to the Formal Proof of Replicated Hardware Systems using the Boyer-Moore Theorem Prover

Olga Caprotti:
Symbolic Pattern Solving for Equational Reasoning

Joseph A. Goguen:
Stretching First Order Equational Logic: Proofs with Partiality, Subtypes and Retracts

10:15 – 10:45 Break

10:45 – 12:00 Session V

Peter Baumgartner and Ulrich Furbach:
Refinements for Restart Model Elimination

Marc Fuchs:
Similarity-Based Lemma Generation for Model Elimination

Pierre Ostier:
A Complete Deduction System for Reasoning with Temporary Assumptions

12:00 – 14:00 Lunch Break

14:00 – 15:40 Session VI

Serge Autexier and Dieter Hutter:
Equational Proof-Planning by Dynamic Abstraction

Robert Matzinger:
Using Grammars for Finite Domain Evaluation

Georg Moser:
Some Remarks on Transfinite E-Semantic Trees and Superposition

Jürgen Stuber:
Strong Symmetrization and Semi-Compatibility of Normalized Rewriting and First-Order Theorem Proving

15:40 – 16:10 Break

16:10 – 17:25 Session VII

Reinhard Pichler:
Testing the Equivalence of Models given through Linear Atomic Representations

Uwe Waldmann:
A Superposition Calculus for Divisible Torsion-Free Abelian Groups

Nic Wilson and Jerome Mengin:
Logical Deduction using the Local Computation Framework

17:25 – 17:50 Closing Discussion