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Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 1705
Disciplina	005.115
Soggetti	Artificial intelligence Computer systems Computer science Computer programming Machine theory Artificial Intelligence Computer System Implementation Computer Science Logic and Foundations of Programming Programming Techniques Formal Languages and Automata Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Session 1 -- Proofs About Lists Using Ellipsis -- Session 2 -- On the Complexity of Counting the Hilbert Basis of a Linear Diophantine System -- Solving Combinatorial Problems with Regular Local Search Algorithms -- Evidence Algorithm and Sequent Logical Inference Search -- Session 3 -- First Order Linear Temporal Logic over Finite Time Structures -- Model Checking Games for the Alternation-Free ?-Calculus and Alternating Automata -- Animating TLA Specifications -- Session 4 -- Transforming Conditional Rewrite Systems with Extra

Variables into Unconditional Systems -- Cancellative Superposition  
Decides the Theory of Divisible Torsion-Free Abelian Groups -- Regular  
Sets of Descendants for Constructor-Based Rewrite Systems -- Session  
5 -- Practical Reasoning for Expressive Description Logics --  
Complexity of Terminological Reasoning Revisited -- Session 6 -- On  
the Complexity of Single-Rule Datalog Queries -- Session 7 --  
Abstracting Properties in Concurrent Constraint Programming -- A  
Fixpoint Semantics for Reasoning about Finite Failure -- Extensions to  
the Estimation Calculus -- Session 8 -- Beth Definability for the  
Guarded Fragment -- Simplification of Horn Clauses That Are Clausal  
Forms of Guarded Formulas -- Session 9 -- Resource Management in  
Linear Logic Proof Search Revisited -- Focusing and Proof-Nets in  
Linear and Non-commutative Logic -- Session 10 -- CHAT Is ? (SLG-  
WAM) -- Proving Failure of Queries for Definite Logic Programs Using  
XSB-Prolog -- A Partial Evaluation Framework for Curry Programs.

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## Sommario/riassunto

This volume contains the papers presented at the Sixth International Conference on Logic for Programming and Automated Reasoning (LPAR'99), held in Tbilisi, Georgia, September 6-10, 1999, and hosted by the University of Tbilisi. Forty-four papers were submitted to LPAR'99. Each of the submissions was reviewed by three program committee members and an electronic program committee meeting was held via the Internet. Twenty-three papers were accepted. We would like to thank the many people who have made LPAR'99 possible. We are grateful to the following groups and individuals: to the program committee and the additional referees for reviewing the papers in a very short time, to the organizing committee, and to the local organizers of the INTAS workshop in Tbilisi in April 1994 (Khimuri Rukhaia, Konstantin Pkhakadze, and Gela Chankvetadze). And last but not least, we would like to thank Konstantin - rovin, who maintained the program committee Web page; Uwe Waldmann, who supplied macros for these proceedings and helped us to install some programs for the electronic management of the program committee work; and Bill McCune, who implemented these programs.

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