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Disciplina	005.115
Soggetti	Software engineering Computer programming Programming languages (Electronic computers) Computer logic Mathematical logic Artificial intelligence Software Engineering/Programming and Operating Systems Programming Techniques Programming Languages, Compilers, Interpreters Logics and Meanings of Programs Mathematical Logic and Formal Languages Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talks -- Achieving Type Safety for Low-Level Code -- Logic Information Systems for Logic Programmers -- A Logic Programming View of Authorization in Distributed Systems -- Compositional Verification of Infinite State Systems -- A Constraint-Based Approach to Structure Prediction for Simplified Protein Models That Outperforms Other Existing Methods -- Invited Tutorials -- Concurrency, Time, and Constraints -- Symbolic Model-Checking for Biochemical Systems --

Component-Based Software Development and Logic Programming -- A  
 Tutorial on Proof Theoretic Foundations of Logic Programming --  
 Regular Papers -- Objective: In Minimum Context -- Handling  
 Existential Derived Predicates in View Updating -- Efficient Evaluation  
 of Logic Programs for Querying Data Integration Systems --  
 Argumentation Databases -- Order and Negation as Failure --  
 Computing Minimal Models, Stable Models, and Answer Sets -- Uniform  
 Equivalence of Logic Programs under the Stable Model Semantics --  
 Answer Set Programming Phase Transition: A Study on Randomly  
 Generated Programs -- Termination Analysis with Types Is More  
 Accurate -- A Propagation Tracer for GNU-Prolog: From Formal  
 Definition to Efficient Implementation -- Intensional Sets in CLP --  
 Implementing Constraint Propagation by Composition of Reductions --  
 Forward versus Backward Verification of Logic Programs -- Native  
 Preemptive Threads in SWI-Prolog -- Flow Java: Declarative  
 Concurrency for Java -- On the Complexity of Dependent And-  
 Parallelism in Logic Programming -- Higher-Order Substitution Tree  
 Indexing -- Incremental Evaluation of Tabled Logic Programs -- On  
 Deterministic Computations in the Extended Andorra Model -- Timed  
 Concurrent Constraint Programming: Decidability Results and Their  
 Application to LTL -- Is There an Optimal Generic Semantics for First-  
 Order Equations? -- Loop Formulas for Disjunctive Logic Programs --  
 Default Knowledge in Logic Programs with Uncertainty -- Posters -- A  
 Generic Persistence Model for (C)LP Systems -- Definitions in Answer  
 Set Programming -- A New Mode Declaration for Tabled Predicates --  
 Adding the Temporal Relations in Semantic Web Ontologies --  
 Polynomial-Time Learnability from Entailment -- Integration of  
 Semantic Networks for Corpus-Based Word Sense Disambiguation --  
 Development and Application of Logical Actors Mathematical Apparatus  
 for Logic Programming of Web Agents -- A Real Implementation for  
 Constructive Negation -- Simulating Security Systems Based on  
 Logigrams -- Online Justification for Tabled Logic Programs --  
 Inducing Musical Rules with ILP -- A Distinct-Head Folding Rule --  
 Termination Analysis of Logic Programs -- Refactoring Logic Programs  
 -- Termination of Logic Programs for Various Dynamic Selection Rules  
 -- Adding Preferences to Answer Set Planning -- Controlling Semi-  
 automatic Systems with FLUX -- The Language Model LMNtal.

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Sommario/riassunto

This volume contains the proceedings of the 19th International  
 Conference on Logic Programming, ICLP 2003, which was held at the  
 Tata Institute of Fundamental Research in Mumbai, India, during 9–13  
 December, 2003. ICLP 2003 was colocated with the 8th Asian  
 Computing Science Conference, ASIAN 2003,  
 and was followed by the 23rd Conference on Foundations of Software Technol-  
 ogy and Theoretical Computer Science, FSTTCS 2003. The latter event  
 was hosted by the Indian Institute of Technology in Mumbai. In  
 addition, there were three satellite workshops associated with ICLP 2003:  
 – PPSWR 2003, Principles and Practice of Semantic Web Reasoning, 8th  
 Dec. 2003, organized by François Bry, Nicola Henze, and Jan  
 Maluszynski. – COLOPS 2003, COntstraint & LOGic Programming in  
 Security, 8th Dec. 2003, organized by Martin Leucker, Justin Pearson,  
 Fred Spiessens, and Frank D. Valencia. – WLPE 2003, Workshop on  
 Logic Programming Environments, organized by Alexander Serebrenik  
 and Fred Mesnard. – CICLOPS2003,  
 Implementation of Constraint and Logic Programming Systems, 14th Dec.  
 2003, organized by Michel Ferreira and Ricardo Lopes. – SVV 2003,  
 Software Verification and Validation, 14th Dec. 2003, organized by  
 Sandro Etalle, Supratik Mukhopadhyay, and Abhik Roychoudhury.

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