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Soggetti	Compilers (Computer programs) Computer programming Computer science Software engineering Compilers and Interpreters Programming Techniques Computer Science Logic and Foundations of Programming Software Engineering
Lingua di pubblicazione	Inglese
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Note generali	International conference proceedings.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	QuickCheck Testing for Fun and Profit -- A Constraint Programming Approach to Bioinformatics Structural Problems -- Rewriting Haskell Strings -- Instantly Turning a Naive Exhaustive Search into Three Efficient Searches with Pruning -- Algebraic Knowledge Discovery Using Haskell -- Applications, Implementation and Performance Evaluation of Bit Stream Programming in Erlang -- Automatic Incrementalization of Prolog Based Static Analyses -- Verification of Java Bytecode Using Analysis and Transformation of Logic Programs -- Combining Static Analysis and Profiling for Estimating Execution Times -- On Improving the Efficiency and Robustness of Table Storage Mechanisms for Tabled Evaluation -- Compiling Constraint Handling Rules for Efficient Tabled Evaluation -- Prolog Performance on Larger Datasets -- BAD, a

Declarative Logic-Based Language for Brain Modeling -- From Zinc to Design Model -- Inductive Logic Programming by Instance Patterns -- ARMC: The Logical Choice for Software Model Checking with Abstraction Refinement -- The Joins Concurrency Library -- HPorter: Using Arrows to Compose Parallel Processes -- Coupled Schema Transformation and Data Conversion for XML and SQL -- Aspect-Oriented Programming in Higher-Order and Linear Logic -- Partial Evaluation of Pointcuts.

Sommario/riassunto

This book constitutes the refereed proceedings of the 9th International Symposium on Practical Aspects of Declarative Languages, PADL 2007, held in Nice, France, in January 2007, colocated with POPL 2007, the Symposium on Principles of Programming Languages. The 19 revised full papers presented together with 2 invited papers were carefully reviewed and selected from 58 submissions. All current aspects of declarative programming are addressed including implementational issues and innovative applications in areas such as database management, software engineering, functional logic, decision support systems, constraint programming, model checking, probabilistic programming, Java and Prolog programming.
