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Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 10184
Disciplina	005.1
Soggetti	Computer science Compilers (Computer programs) Computer programming Software engineering Machine theory Algorithms Computer Science Logic and Foundations of Programming Compilers and Interpreters Programming Techniques Software Engineering Formal Languages and Automata Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Partial Evaluation of Order-sorted Equational Programs modulo Axioms -- A Formal, Resource Consumption-Preserving Translation of Actors to Haskell -- Verification of Time-Aware Business Processes using Constrained Horn Clauses -- MiniZinc with Strings -- Slicing Concurrent Constraint Programs -- A New Functional-Logic Compiler for Curry: Sprite -- Ipopt: A Rule Optimization Tool for Answer Set Programming -- Symbolic Execution and Thresholding for Efficiently Tuning Fuzzy Logic Programs -- Hierarchical Shape Abstraction for Analysis of Free List Memory Allocators -- A Productivity Checker for

Logic Programming -- Symbolic Abstract Contract Synthesis in a Rewriting Framework -- On the Completeness of Selective Unification in Concolic Testing of Logic Programs -- CurryCheck: Checking Properties of Curry Programs -- A Hiking Trip Through the Orders of Magnitude: Deriving Efficient Generators for Closed Simply-Typed Lambda Terms and Normal Forms -- A Reversible Semantics for Erlang -- Scaling Bounded Model Checking By Transforming Programs With Arrays -- Coinductive Soundness of Corecursive Type Class Resolution -- Nominal Unification of Higher Order Expressions with Recursive Let -- Automata Theory Approach to Predicate Intuitionistic Logic.

Sommario/riassunto

This book constitutes the thoroughly refereed post-conference proceedings of the 26th International Symposium on Logic-Based Program Synthesis and Transformation, LOPSTR 2016, held in Edinburgh, UK, in September 2016. The 20 revised full papers presented together with the abstracts of 3 invited talks were carefully reviewed and selected from 38 submissions. The aim of the LOPSTR series is to stimulate and promote international research and collaboration on logic-based program development. LOPSTR is open to contributions in all aspects of logic-based program development, all stages of the software life cycle, and issues of both programming-in-the-small and programming-in-the-large. LOPSTR traditionally solicits contributions, in any language paradigm, in the areas of synthesis, specification, transformation, analysis and verification, specialization, testing and certification, composition, program/model manipulation, optimization, transformational techniques in SE, inversion, applications, and tools.
