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Collana	Lecture Notes in Artificial Intelligence ; ; 2627
Disciplina	005.1/15
Soggetti	Computer industry Software engineering Artificial intelligence Computer programming Programming languages (Electronic computers) Algorithms The Computer Industry Software Engineering/Programming and Operating Systems Artificial Intelligence Programming Techniques Programming Languages, Compilers, Interpreters Algorithm Analysis and Problem Complexity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Abstract Verification and Debugging of Constraint Logic Programs -- CGRASS: A System for Transforming Constraint Satisfaction Problems -- Interchangeability in Soft CSPs -- Towards Automated Reasoning on the Properties of Numerical Constraints -- Domain-Heuristics for Arc- Consistency Algorithms -- Computing Explanations and Implications in Preference-Based Configurators -- Constraint Processing Offers Improved Expressiveness and Inference for Interactive Expert Systems -- A Note on Redundant Rules in Rule-Based Constraint Programming

-- A Study of Encodings of Constraint Satisfaction Problems with 0/1 Variables -- A Local Search Algorithm for Balanced Incomplete Block Designs -- The Effect of Nogood Recording in DPLL-CBJ SAT Algorithms -- POOC — A Platform for Object-Oriented Constraint Programming -- A Coordination-Based Framework for Distributed Constraint Solving -- Visopt ShopFloor: Going Beyond Traditional Scheduling.

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Sommario/riassunto

This book constitutes the thoroughly refereed post-proceedings of the Joint ERCIM/CologNet International Workshop on Constraint Solving and Constraint Logic Programming, held in Cork, Ireland in June 2002. The 14 revised full papers presented were carefully selected for inclusion in the book during two rounds of reviewing and revision. Among the topics addressed are verification and debugging of constraint logic programs, modeling and solving CSPs, explanation generation, inference and inconsistency processing, SAT and 0/1 encodings of CSPs, soft constraints and constraint relaxation, real-world applications, and distributed constraint solving.

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