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Descrizione fisica	1 online resource (XVIII, 826 p.)
Collana	Programming and Software Engineering ; ; 5366
Disciplina	005.1
Soggetti	Logic programming
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talk -- The Life of a Logic Programming System -- Special Session -- Uniting the Prolog Community -- Invited Tutorials -- Constraint Handling Rules -- Back to Interval Temporal Logics -- Systems Biology: Models and Logics -- Separation Logic Tutorial -- Years of Stable Models Semantics Celebration -- Authorization and Obligation Policies in Dynamic Systems -- Twelve Definitions of a Stable Model -- Sixty Years of Stable Models -- The DLV Project: A Tour from Theory and Research to Applications and Market -- Using Answer Set Programming for Knowledge Representation and Reasoning: Future Directions -- Building a Knowledge Base System for an Integration of Logic Programming and Classical Logic -- SMS and ASP: Hype or TST? -- Quo Vadis Answer Set Programming? -- Answer Set Programming without Unstratified Negation -- Here's the Beef: Answer Set Programming ! -- Equivalences in Answer-Set Programming by Countermodels in the Logic of Here-and-There -- Dynamic Programming Algorithms as Products of Weighted Logic Programs -- Regular Papers -- Detecting Inconsistencies in Large Biological Networks with Answer Set Programming -- A Logic Programming Approach to Home Monitoring for Risk Prevention in Assisted Living -- Automatic Composition of Melodic and Harmonic Music by Answer Set Programming -- On the Efficient Execution of ProbLog Programs -- Engineering an Incremental ASP Solver -- Concurrent and Local

Evaluation of Normal Programs -- On the Continuity of Gelfond-Lifschitz Operator and Other Applications of Proof-Theory in ASP -- ?
lean TA P: A Declarative Theorem Prover for First-Order Classical Logic
-- Towards Ludics Programming: Interactive Proof Search --
Declarative Semantics for Active Integrity Constraints -- A Folding
Algorithm for Eliminating Existential Variables from Constraint Logic
Programs -- Negative Ternary Set-Sharing -- Termination of Narrowing
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Propagation -- Lparse Programs Revisited: Semantics and
Representation of Aggregates -- Compiling Fuzzy Answer Set Programs
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from Declarative Specifications Using Logic Programming -- Prolog
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Handling Multiple Use-Cases in MPSoC Platforms Using Constraint
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Handling Rules -- Cadmium: An Implementation of ACD Term
Rewriting -- Quantified Equilibrium Logic and Foundations for Answer
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Programs under Hyperequivalence -- Relativized Hyperequivalence of
Logic Programs for Modular Programming -- Program Correspondence
under the Answer-Set Semantics: The Non-ground Case -- Efficient
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Action Rules -- Constraint-Level Advice for Shaving -- A High-Level
Implementation of Non-deterministic, Unrestricted, Independent And-
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-- A Soft Approach to Multi-objective Optimization -- A Multi-theory
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Effectiveness of Partial Evaluation -- A Sketch of a Complete Scheme
for Tabled Execution Based on Program Transformation -- Probabilistic
and Concurrent Models for Security -- On the Hybridization of
Constraint Programming and Local Search Techniques: Models and
Software Tools -- Development of an Automatic Testing Environment
for Mercury -- Resolving CSP with Naming Games -- Biosequence

Analysis in PRISM -- Bi-dimensional Domains for the Non-overlapping Rectangles Constraint -- Extracting and Reasoning about Web Data -- Managing Quality of Service with Soft Constraints -- TopLog: ILP Using a Logic Program Declarative Bias -- Generalising Constraint Solving over Finite Domains -- Detection of Security Vulnerabilities Using Guided Model Checking.

Sommario/riassunto

This book constitutes the refereed proceedings of the 24th International Conference on Logic Programming, ICLP 2008, held in Udine, Italy, in December 2008. The 35 revised full papers together with 2 invited talks, 2 invited tutorials, 11 papers of the co-located first Workshop on Answer Set Programming and Other Computing Paradigms (ASPOCP 2008), as well as 26 poster presentations and the abstracts of 11 doctoral consortium articles were carefully reviewed and selected from 177 initial submissions. The papers cover all issues of current research in logic programming - they are organized in topical sections on applications, algorithms, systems, and implementations, semantics and foundations, analysis and transformations, CHRs and extensions, implementations and systems, answer set programming and extensions, as well as constraints and optimizations.
