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Soggetti	Artificial intelligence Computers Mathematical logic Computer logic Artificial Intelligence Theory of Computation Mathematical Logic and Formal Languages Logics and Meanings of Programs
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talks (Abstracts) -- State Abstraction in Real-Time Heuristic Search -- Abstraction and Reformulation in the Generation of Constraint Models -- A Framework for Integrating Optimization and Constraint Programming -- Research Papers -- DFS-Tree Based Heuristic Search -- Partial Pattern Databases -- CDB-PV: A Constraint Database-Based Program Verifier -- Generating Implied Boolean Constraints Via Singleton Consistency -- Reformulating Constraint Satisfaction Problems to Improve Scalability -- Reformulating Global Constraints: The Slide and Regular Constraints -- Relaxation of Qualitative Constraint Networks -- Dynamic Domain Abstraction Through Meta-diagnosis -- Channeling Abstraction -- Approximate Model-Based Diagnosis Using Greedy Stochastic Search -- Combining Perimeter Search and Pattern Database Abstractions -- Solving Satisfiability in Ground Logic with Equality by Efficient Conversion to

Propositional Logic -- Tailoring Solver-Independent Constraint Models: A Case Study with Essence? and Minion -- A Meta-CSP Model for Optimal Planning -- Reformulation for Extensional Reasoning -- An Abstract Theory and Ontology of Motion Based on the Regions Connection Calculus -- Computing and Using Lower and Upper Bounds for Action Elimination in MDP Planning -- Model-Based Exploration in Continuous State Spaces -- Active Learning of Dynamic Bayesian Networks in Markov Decision Processes -- Boosting MUS Extraction -- Homogeneous Hierarchical Composition of Areas in Multi-robot Area Coverage -- Formalizing the Abstraction Process in Model-Based Diagnosis -- Boolean Approximation Revisited -- An Analysis of Map-Based Abstraction and Refinement -- Solving Difficult SAT Instances Using Greedy Clique Decomposition -- Abstraction and Complexity Measures -- Research Summaries -- Abstraction, Emergence, and Thought -- What's Your Problem? The Problem of Problem Definition -- A Reformulation-Based Approach to Explanation in Constraint Satisfaction -- Integration of Constraint Programming and Metaheuristics -- Rule-Based Reasoning Via Abstraction -- Extensional Reasoning -- Reformulating Constraint Models Using Input Data -- Using Analogy Discovery to Create Abstractions -- Distributed CSPs: Why It Is Assumed a Variable per Agent? -- Decomposition of Games for Efficient Reasoning -- Generalized Constraint Acquisition -- Using Infeasibility to Improve Abstraction-Based Heuristics -- Leveraging Graph Locality Via Abstraction.
