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Disciplina	004
Soggetti	Database management Computer logic Computer science—Mathematics Information storage and retrieval User interfaces (Computer systems) Artificial intelligence Database Management Logics and Meanings of Programs Discrete Mathematics in Computer Science Information Storage and Retrieval User Interfaces and Human Computer Interaction Artificial Intelligence
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Presentation -- The Semijoin Algebra -- Regular Papers -- Equational Constraint Solving Via a Restricted Form of Universal Quantification -- Modeling the Evolution of Objects in Temporal Information Systems -- Controlled Query Evaluation with Open Queries for a Decidable Relational Submodel -- Iterative Modification and Incremental Evaluation of Preference Queries -- On the Number of Independent Functional Dependencies -- Arity and Alternation: A Proper Hierarchy in Higher Order Logics -- Solving Abduction by

Computing Joint Explanations: Logic Programming Formalization, Applications to P2P Data Integration, and Complexity Results -- The Nested List Normal Form for Functional and Multivalued Dependencies -- Axiomatising Functional Dependencies for XML with Frequencies -- Guarded Open Answer Set Programming with Generalized Literals -- Reasoning Support for Expressive Ontology Languages Using a Theorem Prover -- Consistency Checking Algorithms for Restricted UML Class Diagrams -- Some Contributions to the Minimum Representation Problem of Key Systems -- On Multivalued Dependencies in Fixed and Undetermined Universes -- Preference-Based Query Tuning Through Refinement/Enlargement in a Formal Context -- Processing Ranked Queries with the Minimum Space -- Hybrid Minimal Spanning Tree and Mixture of Gaussians Based Clustering Algorithm.
