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Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 4932
Disciplina	004
Soggetti	Computer science Database management Data mining User interfaces (Computer systems) Human-computer interaction Artificial intelligence Theory of Computation Database Management Data Mining and Knowledge Discovery User Interfaces and Human Computer Interaction Artificial Intelligence Computer Science Logic and Foundations of Programming
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talks -- Coupling Design and Verification in Software Product Lines -- Random Geometric Identification -- Strategic Abilities of Agents -- Regular Papers -- Aggregation of Attack Relations: A Social-Choice Theoretical Analysis of Defeasibility Criteria -- Alternative Characterizations for Program Equivalence under Answer-Set Semantics Based on Unfounded Sets -- An Alternative Foundation for DeLP: Defeating Relations and Truth Values -- Appropriate Reasoning about Data Dependencies in Fixed and Undetermined Universes -- Autonomous Sets -- A Method for Hypergraph Decomposition with

Applications in Database Theory -- Cost-Minimising Strategies for Data Labelling: Optimal Stopping and Active Learning -- Information-Optimal Reflections of View Updates on Relational Database Schemata -- Merging First-Order Knowledge Using Dilation Operators -- On the Existence of Armstrong Instances with Bounded Domains -- Reasoning on Data Models in Schema Translation -- Tightly Integrated Probabilistic Description Logic Programs for Representing Ontology Mappings -- Using Transversals for Discovering XML Functional Dependencies -- Visibly Pushdown Transducers for Approximate Validation of Streaming XML -- A Probabilistic Logic with Polynomial Weight Formulas -- A Transformation-Based Approach to View Updating in Stratifiable Deductive Databases -- Algorithms for Effective Argumentation in Classical Propositional Logic: A Connection Graph Approach -- Database Preferences Queries – A Possibilistic Logic Approach with Symbolic Priorities -- Defeasible Reasoning and Partial Order Planning -- Lossless Decompositions in Complex-Valued Databases -- SIM-PDT: A Similarity Based Possibilistic Decision Tree Approach -- Towards a Logic for Abstract MetaFinite State Machines -- Towards a Fuzzy Logic for Automated Multi-issue Negotiation.

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### Sommario/riassunto

An ideal text for researchers and professionals alike, this book constitutes the refereed proceedings of the 5th International Symposium on Foundations of Information and Knowledge Systems, FoKS 2008 held in Pisa, Italy, in February 2008. The 13 revised full papers are presented together with nine revised short papers and three invited lectures. All of these were carefully selected during two rounds of reviewing and improvement from a total of 79 submissions.

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