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Titolo	Symbolic and Quantitative Approaches to Reasoning with Uncertainty [[electronic resource]] : 7th European Conference, ECSQARU 2003, Aalborg, Denmark, July 2-5, 2003. Proceedings // edited by Thomas D. Nielsen, Nevin L. Zhang
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Descrizione fisica	1 online resource (XII, 608 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 2711
Disciplina	006.3
Soggetti	Artificial intelligence Computer science Mathematical logic Artificial Intelligence Science, Humanities and Social Sciences, multidisciplinary Computer Science, general Mathematical Logic and Formal Languages
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 and index.
Nota di contenuto	Invited Papers -- Qualitative Decision Rules under Uncertainty -- Applications of Latent Class Analysis in Social Science Research -- Foundations of Uncertainty Concepts -- Transformations from Imprecise to Precise Probabilities -- A Representation Theorem and Applications -- On Modal Probability and Belief -- Bayesian Networks -- A Multi-layered Bayesian Network Model for Structured Document Retrieval -- Using Kappas as Indicators of Strength in Qualitative Probabilistic Networks -- Qualitative Bayesian Networks with Logical Constraints -- Introducing Situational Influences in QPNs -- Classification of Aerial Missions Using Hidden Markov Models -- Algorithms for Uncertainty Inference -- Dynamic Importance Sampling Computation in Bayesian Networks -- Morphing the Hugin and Shenoy- Shafer Architectures -- Learning -- Characterization of Inclusion Neighbourhood in Terms of the Essential Graph: Upper Neighbours --

Approximating Conditional MTE Distributions by Means of Mixed Trees -- Effective Dimensions of Partially Observed Polytrees -- Decision Graphs -- Applying Numerical Trees to Evaluate Asymmetric Decision Problems -- Mixed Influence Diagrams -- Decision Making Based on Sampled Disease Occurrence in Animal Herds -- Decision Network Semantics of Branching Constraint Satisfaction Problems -- Belief Functions -- Web of Trust: Applying Probabilistic Argumentation to Public-Key Cryptography -- A Comparison of Methods for Transforming Belief Function Models to Probability Models -- Fuzzy Matching and Evidential Reasoning -- Modeling Positive and Negative Pieces of Evidence in Uncertainty -- Directed Evidential Networks with Conditional Belief Functions -- Computational-Workload Based Binarization and Partition of Qualitative Markov Trees for Belief Combination -- Risk Assessment in Drinking Water Production Using Belief Functions -- Algebraic Structures Related to the Consensus Operator for Combining of Beliefs -- Fuzzy Sets -- Inclusion Measures in Intuitionistic Fuzzy Set Theory -- A Random Set Model for Fuzzy Labels -- On the Induction of Different Kinds of First-Order Fuzzy Rules -- Reasoning under Vagueness Expressed by Nuanced Statements -- Possibility Theory -- Partial Lattice-Valued Possibilistic Measures and Some Relations Induced by Them -- Coherent Conditional Probability as a Measure of Uncertainty of the Relevant Conditioning Events -- Decision Trees and Qualitative Possibilistic Inference: Application to the Intrusion Detection Problem -- Default Reasoning -- Multi-valued Conditional Events Avoid Lewis' Triviality Result -- Solving Semantic Problems with Odd-Length Cycles in Argumentation -- On the Relation between Reiter's Default Logic and Its (Major) Variants -- Belief Revision and Inconsistency Handling -- Probable Consistency Checking for Sets of Propositional Clauses -- On Iterated Revision in the AGM Framework -- Epistemic Logics for Information Fusion -- Logics -- Propositional Fusion Rules -- Preferential Logics for Reasoning with Graded Uncertainty -- Paraconsistent Reasoning via Quantified Boolean Formulas, II: Circumscribing Inconsistent Theories -- Modal (Logic) Paraconsistency -- A Formal Framework for Handling Conflicting Desires -- A Sequent Calculus for Skeptical Reasoning in Predicate Default Logic (Extended Abstract) -- Probabilistic Lexicographic Entailment under Variable-Strength Inheritance with Overriding -- Demo Papers -- ABEL: An Interactive Tool for Probabilistic Argumentative Reasoning -- The Hugin Tool for Learning Bayesian Networks.
