1. Record Nr. UNISA996466050703316

Titolo	Scalable Uncertainty Management [[electronic resource]] : 7th International Conference, SUM 2013, Washington, DC, USA, September 16-18, 2013, Proceedings / / edited by Weiru Liu, V S Subrahmanian, Jef Wijsen
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	3-642-40381-6
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (XIV, 387 p. 43 illus.)
Collana	Lecture Notes in Artificial Intelligence ; ; 8078
Disciplina	006.3
Soggetti	Artificial intelligence Application software Information storage and retrieval Computer communication systems Database management Data mining Artificial Intelligence Information Systems Applications (incl. Internet) Information Storage and Retrieval Computer Communication Networks Database Management Data Mining and Knowledge Discovery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Argumentation -- Analysis of dialogical argumentation via finite state machines -- What Can Argumentation Do for Inconsistent Ontology Query Answering? -- Enforcement in Argumentation is a kind of Update -- A Conditional Logic-Based Argumentation Framework -- Modelling Uncertainty in Persuasion -- On the implementation of a multiple output algorithm for defeasible argumentation -- A formal characterization of the outcomes of rule-based argumentation systems -- Bimodal Graphs for Meta-Argumentation with Argument Schemes --

Efficiently Estimating the Probability of Extensions in Abstract Argumentation -- AFs with Necessities : Further Semantics and Labelling Characterization -- Ranking-based semantics for argumentation frameworks -- A Logical Theory about Dynamics in Abstract Argumentation -- Belief Functions, Possibility Theory and their Applications -- Sound Source Localization from Uncertain Information using the Evidential EM Algorithm -- An Improvement of Subject Reacquisition by Reasoning and Revision -- Belief Functions: a Revision of Plausibility Conflict and Pignistic Conflict -- Bipolar possibility theory as a basis for a logic of desires and beliefs -- Databases -- A New Class of Lineage Expressions over Probabilistic Databases computable in P-time -- The Semantics of Aggregate Queries in Data Exchange Revisited -- PossDB: An Uncertainty Database Management System -- Aggregate Count Queries in Probabilistic Spatio-Temporal Databases -- Intelligent Data Analytics -- Approximate Reasoning about Generalized Conditional Independence with Complete Random Variables -- Combinatorial Prediction Markets: An Experimental Study -- A scalable learning algorithm for kernel probabilistic classifier -- Logics, Description Logic, and Semantic Web -- Privacy-Preserving Social Network Publication Based on Positional Indiscernibility -- On the implementation of a fuzzy DL solver over infinite-valued product logic with SMT solvers -- On the Merit of Selecting Different Belief Merging Operators -- Possibilistic DL-Lite -- Group Preferences for Query Answering in Datalog+/- Ontologies -- Reasoning with Semantic-Enabled Qualitative Preferences.

Sommario/riassunto

This book constitutes the refereed proceedings of the 7th International Conference on Scalable Uncertainty Management, SUM 2013, held in Washington, DC, USA, in September 2013. The 26 revised full papers and 3 revised short papers were carefully reviewed and selected from 57 submissions. The papers cover topics in all areas of managing and reasoning with substantial and complex kinds of uncertain, incomplete or inconsistent information including applications in decision support systems, machine learning, negotiation technologies, semantic web applications, search engines, ontology systems, information retrieval, natural language processing, information extraction, image recognition, vision systems, data and text mining, and the consideration of issues such as provenance, trust, heterogeneity, and complexity of data and knowledge.