1. Record Nr. UNISA996466005203316

Titolo	Transactions on Large-Scale Data- and Knowledge-Centered Systems XXII [[electronic resource] /] / edited by Abdelkader Hameurlain, Josef Küng, Roland Wagner
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2015
ISBN	3-662-48567-2
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (VII, 185 p. 56 illus. in color.)
Collana	Transactions on Large-Scale Data- and Knowledge-Centered Systems, , 1869-1994 ; ; 9430
Disciplina	005.7565
Soggetti	Information storage and retrieval Database management Artificial intelligence Application software Data mining Mathematical logic Information Storage and Retrieval Database Management Artificial Intelligence Information Systems Applications (incl. Internet) Data Mining and Knowledge Discovery 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	BPMiner: Algorithms for Large-scale Private Analysis -- System Modeling and Trust Evaluation of Distributed Systems -- Efficient Querying of XML Data through Arbitrary Security Views -- Increasing Coverage in Distributed Search and Recommendation with Profile Diversity -- Hypothesis Discovery Exploiting Closed Chains of Relations -- An Analysis of Variance-Based Methods for Data Aggregation in Periodic Sensor Networks.
Sommario/riassunto	The LNCS journal Transactions on Large-Scale Data- and Knowledge-

Centered Systems focuses on data management, knowledge discovery, and knowledge processing, which are core and hot topics in computer science. Since the 1990s, the Internet has become the main driving force behind application development in all domains. An increase in the demand for resource sharing across different sites connected through networks has led to an evolution of data- and knowledge-management systems from centralized systems to decentralized systems enabling large-scale distributed applications providing high scalability. Current decentralized systems still focus on data and knowledge as their main resource. Feasibility of these systems relies basically on P2P (peer-to-peer) techniques and the support of agent systems with scaling and decentralized control. Synergy between grids, P2P systems, and agent technologies is the key to data- and knowledge-centered systems in large-scale environments. This, the 22nd issue of Transactions on Large-Scale Data- and Knowledge-Centered Systems, contains six revised selected regular papers. Topics covered include algorithms for large-scale private analysis, modelling of entities from social and digital worlds and their relations, querying virtual security views of XML data, recommendation approaches using diversity-based clustering scores, hypothesis discovery, and data aggregation techniques in sensor netwo rk environments.