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   Disciplina   004

   Soggetti   Transaction systems (Computer systems)
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   Nota di bibliografia   Includes bibliographical references and index.

   Nota di contenuto   Modeling and Management of Information Supporting Functional
                        Dimension of Collaborative Networks -- A Universal Metamodel and Its
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                        Aware Data and IT Services Collaboration in E-Business -- Facilitating
                        Controlled Tests of Website Design Changes Using Aspect-Oriented
                        Software Development and Software Product Lines -- Frontiers of
                        Structured Business Process Modeling -- Information Systems for
                        Federated Biobanks -- Exploring Trust, Security and Privacy in Digital
                        Business -- Evolution of Query Optimization Methods -- Holonic
                        Rationale and Bio-inspiration on Design of Complex Emergent and
                        Evolvable Systems -- Self-Adaptation for Robustness and Cooperation
                        in Holonic Multi-Agent Systems -- Context Oriented Information
                        Integration -- Data Sharing in DHT Based P2P Systems -- Reverse k
                        Nearest Neighbor and Reverse Farthest Neighbor Search on Spatial
                        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 applicational development in all domains. An increase in the demand for resource sharing across different sites connected through networks has led to an evolvement 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 inaugural issue of Transactions on Large-Scale Data- and Knowledge-Centered Systems, consists of journal versions of talks invited to the DEXA 2009 conference and further invited contributions by well-known scientists in the field. Therefore, the content of this issue covers a wide range of different topics in the area of the title of this new journal.