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| 1. | Record Nr. | UNINA9910768184003321 |
| | Titolo | Journal on Data Semantics I / / edited by Stefano Spaccapietra, Sal March, Karl Aberer |
| | Pubbl/distr/stampa | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2003 |
| | ISBN | 3-540-39733-7 |
| | Edizione | [1st ed. 2003.] |
| | Descrizione fisica | 1 online resource (XVI, 240 p.) |
| | Collana | Journal on Data Semantics, , 1861-2032 ; ; 2800 |
| | Disciplina | 006.3 |
| | Soggetti | Data structures (Computer science) |
| | | Database management |
| | | Computer networks |
| | | Information storage and retrieval |
| | | Application software |
| | | Artificial intelligence |
| | | Data Structures and Information Theory |
| | | Database Management |
| | | Computer Communication Networks |
| | | Information Storage and Retrieval |
| | | Information Systems Applications (incl. Internet) |
| | | Artificial Intelligence |
| | 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 | Formal Reasoning Techniques for Goal Models -- Attribute-Based Semantic Reconciliation of Multiple Data Sources -- Data Quality in Web Information Systems -- Reasoning about Anonymous Resources and Meta Statements on the Semantic Web -- IF-Map: An Ontology-Mapping Method Based on Information-Flow Theory -- OntoEdit: Multifaceted Inferencing for Ontology Engineering -- Distributed Description Logics: Assimilating Information from Peer Sources -- On Using Conceptual Data Modeling for Ontology Engineering -- The DaQuinCIS Broker: Querying Data and Their Quality in Cooperative Information Systems. |

**Sommario/riassunto**

This book constitutes the first volume of the first journal in the new LNCS Journal Subline, the Journal on Data Semantics. Publishing a journal in a book series might come as a surprise to customers, readers, and librarians, thus we would like to provide some background information and our motivation for introducing this new LNCS subline. As a consequence of the very tight interaction between the Lecture Notes in Computer Science series and the international computer science research and- development community, we receive quite a few proposals for new archive journals. From the successful launch of workshops or conferences and publication of their proceedings in the LNCS series, it might seem like a natural step to approach the publisher about launching a journal once this specific field has gained a contain level of maturity and stability. Each year we receive about a dozen such proposals and even more informal inquiries. Like other publishers, it has been our experience that launching a new journal and making it a long-term success is a hard job nowadays, due to a generally difficult market situation, and library budget restrictions in particular. Because many of the proceedings in LNCS, and especially many of the LNCS post proceedings, apply the same strict reviewing and selection criteria as established journals, we started discussing with proposers of new journals the alternative of devoting a few volumes in LNCS to their field, instead of going through the painful Sisyphean adventure of establishing a new journal on its own.