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	Descrizione fisica	1 online resource (XIII, 382 p.)
	Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 4690
	Disciplina	005.74
	Soggetti	Data structures (Computer science)
		Information theory
		Database management
		Information storage and retrieval systems
		Data mining
		Application software
		Multimedia systems
		Data Structures and Information Theory
		Database Management
		Information Storage and Retrieval
		Data Mining and Knowledge Discovery
		Computer and Information Systems Applications
		Multimedia Information Systems
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	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 Lectures -- ETL Workflows: From Formal Specification to Optimization -- Harvesting and Organizing Knowledge from the Web -- Schema and Data Translation: A Personal Perspective -- Activity Modeling -- A Protocol Ontology for Inter-Organizational Workflow Coordination -- Preventing Orphan Requests by Integrating Replication and Transactions -- Discretization Numbers for Multiple-Instances

Problem in Relational Database -- Classification -- Adaptive k-Nearest-Neighbor Classification Using a Dynamic Number of Nearest Neighbors -- Database Implementation of a Model-Free Classifier -- Design -- Update Support for Database Views Via Cooperation -- An Agile Process for the Creation of Conceptual Models from Content Descriptions -- Object-Oriented Systems -- ODRA: A Next Generation Object-Oriented Environment for Rapid Database Application Development -- An Object-Oriented Based Algebra for Ontologies and Their Instances -- Indexing -- The MM-Tree: A Memory-Based Metric Tree Without Overlap Between Nodes -- Improving the Performance of M-Tree Family by Nearest-Neighbor Graphs -- Indexing Mobile Objects on the Plane Revisited -- Clustering and OLAP -- A Clustering Framework for Unbalanced Partitioning and Outlier Filtering on High Dimensional Datasets -- Moving Objects -- On the Effect of Trajectory Compression in Spatiotemporal Querying -- Prediction of Bus Motion and Continuous Query Processing for Traveler Information Services -- Optimal Query Mapping in Mobile OLAP -- Query Processing -- A Statistics Propagation Approach to Enable Cost-Based Optimization of Statement Sequences -- A Fixpoint Approach to State Generation for Stratifiable Disjunctive Deductive Databases -- Graphical Querying of Multidimensional Databases -- DB Architectures and Streams -- Incremental Validation of String-Based XML Datain Databases, File Systems, and Streams -- XML and Databases -- Combining Efficient XML Compression with Query Processing -- Distributed Systems -- Fast User Notification in Large-Scale Digital Libraries: Experiments and Results -- Quete: Ontology-Based Query System for Distributed Sources.

Sommario/riassunto	The series of East European Conferences on Advances in Databases and Information Systems (ADBIS) is an established and prestigious forum for the exchange of the latest research results in data management. It provides unique opportunities for database researchers, practitioners, developers, and users from East European countries to explore new ideas, techniques, and tools, and to exchange experiences with colleagues from the rest of the world. This volume contains the proceedings of the 11th ADBIS Conference, held in Varna, Bulgaria, September 29 – October 3, 2007. The conference included 3 keynote talks, 36 research papers in 13 sessions, and 2 tutorials. Twenty-tree of the research papers as well as papers or extended abstracts for the keynote talks are included here; the remaining papers appear in local proceedings. Distinguished members of the database and information-retrieval communities delivered the three keynotes. Timos Sellis, an expert in the area of multidimensional indexing and data warehousing, analyzed the entire lifecycle of ETL workflows, from specification to optimized execution, offering solutions as well as future challenges. Gerhard Weikum, a leader of several efforts falling at the intersection of databases and information retrieval, discussed the emergence of several "Webs" and how these may be harvested and searched for knowledge. Finally, Paolo Atzeni, well-known for several contributions to database theory, addressed the perennial problem of schema and data translation in the context of emerging model management systems and outlined several research challenges that emerge.