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Nota di contenuto	XML and Databases I -- XML and Databases II -- Database and Information Systems Architecture and Performance I -- XML and Databases III -- Database and Information Systems Architecture and Performance II -- Applications of Database Systems and Information Systems I -- Query Processing and Optimization I -- XML and Databases IV -- Query Processing and Optimization II -- Applications of Database Systems and Information Systems II -- Query Processing and Optimization III -- Applications of Database Systems and Information Systems III -- Query Processing and Optimization IV -- Data and Information Modelling I -- XML Query Processing and Optimization I -- Data and Information Modelling II -- XML Query Processing and Optimization II -- Data Mining I -- Semantic Web and Ontologies I -- Semantic Web and Ontologies II -- Data Mining II -- WWW and Databases -- Temporal and Spatial Databases -- Data and Information Semantics -- Closing Session: Knowledge and Design.
Sommario/riassunto	The annual international conference on Database and Expert Systems Applications (DEXA) is now well established as a reference scientific event. The reader will find in this volume a collection of scientific papers that represent the state of the art of - search in the domain of

data, information and knowledge management, intelligent systems, and their applications. The 18th instance of the series of DEXA conferences was held at the University of Regensburg, Germany, September 3–7, 2007. Several collocated conferences and workshops covered specialized and complimentary topics to the main conference topic. Six conferences—the Eighth International Conference on Data Warehousing and Knowledge Discovery (DaWaK), the Seventh International Conference on Electronic Commerce and Web Technologies (EC-Web), the Fifth International Conference on Electronic Government (EGOV), the 3rd International Conference on Trust, Privacy, and Security in Digital Business (TrustBus), the 3rd International Conference on Industrial Applications of Holonic and Multi-Agent Systems (HoloMAS), and the 1st International Conference on Network-Based Information Systems (NBIS)—and 19 workshops were collocated with DEXA. The conference is a unique international event with a balanced depth and breadth of topics. Its much appreciated conviviality fosters unmatched opportunities to meet, share the latest scientific results and discuss the latest technological advances in the area of information technologies with young scientists and engineers as well as senior world-renown experts.

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