

1. Record Nr.	UNISA996465578103316
Titolo	Advances in Databases [[electronic resource]] : 17th British National Conference on Databases, BNCOD 17 Exeter, UK, July 3-5, 2000 Proceedings // edited by Brian Lings, Keith Jeffery
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2000
ISBN	3-540-45033-5
Edizione	[1st ed. 2000.]
Descrizione fisica	1 online resource (X, 226 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1832
Disciplina	005.74
Soggetti	Data structures (Computer science) Computers Database management Information storage and retrieval Application software Multimedia information systems Data Structures and Information Theory Theory of Computation Database Management Information Storage and Retrieval Information Systems Applications (incl. Internet) Multimedia Information Systems
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	Invited Papers -- Precision in Processing Data from Heterogeneous Resources -- Just-in-Time Information: To Push or Not to Push -- Performance and Optimisation -- Using Space-Filling Curves for Multi-dimensional Indexing -- A Multi-Query Optimizer for Monet -- Join Order Selection (Good Enough Is Easy) -- User Requirements on Large Systems -- A User-Centric View of Data Warehouse Maintenance Issues -- VESPA: A Benchmark for Vector Spatial Databases -- Collection Views: Dynamically Composed Views Which Inherit Behaviour -- Distributed Transactions -- Global Transaction Termination Rules in

Composite Database Systems -- A Review of Multidatabase
Transactions on the Web: From the ACID to the SACReD -- A
Publish/Subscribe Framework: Push Technology in E-Commerce --
Invited Paper -- Characterizing Data Provenance -- Interoperability
Using XML -- A Grammar Based Model for XML Schema Integration --
CORBA and XML: Design Choices for Database Federations -- Rewriting
XQL Queries on XML Repositories.

Sommario/riassunto

After a decade of major technical and theoretical advancements in the area, the scope for exploitation of database technology has never been greater. Neither has the challenge. This volume contains the proceedings of the 17th British National Conference on Databases (BNCOD 2000), held at the University of Exeter in July 2000. In selecting the quality papers presented here, the programme committee was particularly interested in the demands being made on the technology by emerging application areas, including web applications, push technology, multimedia data, and data warehousing. The concern remains the same: satisfaction of user requirements on quality and performance. However, with increasing demand for timely access to heterogeneous data distributed on an unregulated Internet, new challenges are presented. Our three invited speakers develop the theme for the conference, considering new dimensions concerning user requirements in accessing distributed, heterogeneous information sources. In the first paper presented here, Gio Wiederhold reflects on the tension between requirements for, on the one hand, precision and relevance and on the other completeness and recall in relating data from heterogeneous resources. In resolving this tension in favour of the former, he maintains that this will fundamentally affect future research directions. Sharma Chakravarthy adds another dimension to the requirement on information, namely timeliness. He shares a vision of just-in-time information delivered by a push technology based on reactive capabilities. He maintains that this requires a paradigm shift to a user-centric view of information.
