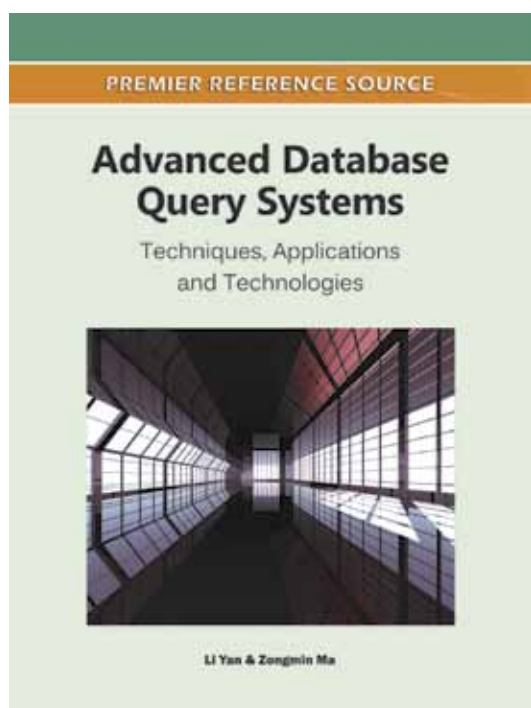


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Advanced Database Query Systems: Techniques, Applications and Technologies



Li Yan (Northeastern University, China) and
Zongmin Ma (Northeastern University, China)

Databases are designed to support data storage, processing, and retrieval activities related to data management. The use of databases in various applications has resulted in an enormous wealth of data, which populates many types of databases around the world.

Advanced Database Query Systems: Techniques, Applications and Technologies focuses on technologies and methodologies of database queries, XML and metadata queries, and applications of database query systems, aiming at providing a single account of technologies and practices in advanced database query systems. This book provides the state of the art information for academics, researchers and industry practitioners who are interested in the study, use, design and development of advanced and emerging database queries with ultimate aim of building competencies for exploiting the opportunities of the data and knowledge society.

Topics Covered:

- Categorization of web database query results
- Concept-oriented model and query language
- Flexible querying of imperfect temporal metadata
- Fuzzy approach to flexible database querying
- Pattern-based schema mapping in peer-to-peer
- XML data integration
- Querying graph databases
- Querying multimedia data
- Spatial data infrastructures
- SQL for fuzzy multidatabases
- Storing and querying RDF data

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Li Yan received her Ph.D. degree from Northeastern University, China. She is currently an Associate Professor of the School of Software at Northeastern University, China. Her research interests include database modeling, XML data management, as well as imprecise and uncertain data processing. She has published papers in several journals such as *Data and Knowledge Engineering*, *Information and Software Technology*, *International Journal of Intelligent Systems* and some conferences such as WWW and CIKM.

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