



ΠΡΟΗΓΜΕΝΑ ΘΕΜΑΤΑ ΒΑΣΕΩΝ ΔΕΔΟΜΕΝΩΝ

Ομαδική Εργασία – Ενδεικτικές Βιβλιογραφικές Αναφορές

- Γενικά
 1. Database Management Systems,
http://pages.cs.wisc.edu/~dbbook/openAccess/thirdEdition/supporting_material.htm
- Αντικείμενα στις ΒΔ
 1. An Advanced Course in Database Systems: Beyond Relational Databases,
<http://www.eas.asu.edu/~advdb/>
 2. Michael Stonebraker. Inclusion of New Types in Relational Database Systems. Proceedings of ICDE, 1986. Red Book.
 3. Charles Lamb, Gordon Landis, Jack Orenstein, Dan Weinreb. The ObjectStore Database System. Communications of the ACM, 34(10), 1991.
- Αποθήκες/κύβλοι δεδομένων
 1. Surajit Chaudhuri and Umeshwar Dayal. An overview of data warehousing and OLAP technology. SIGMOD Record, 26(1), 1997.
 2. Jim Gray, Surajit Chaudhuri, Adam Bosworth, Andrew Layman, Don Reichart, Murali Venkatrao. DataCube: A Relational Aggregation Operator Generalizing Group-By, Cross-Tab, and Sub-Totals. Data Mining and Knowledge Discovery, 1997.
 3. Patrick O'Neil and Dallan Quass. Improved Query Performance with Variant Indices. ACM SIGMOD 1997.
- Χωρικές Βάσεις:
 1. Spatial Databases: A Tour, S. Shekhar and S. Chawla,
<http://www.spatial.cs.umn.edu/Book/>. (διαθέσιμο σε hard copy)
 2. R-Tree Portal, <http://www.rtreeportal.org/>
 3. Y. Manolopoulos, A. Nanopoulos, A. N. Papadopoulos, Y. Theodoridis: R-trees: Theory and Applications. Springer-Verlag (2005). (διαθέσιμο σε hard copy)
 4. N. Mamoulis, Y. Theodoridis, D. Papadias. [Spatial Joins: Algorithms, Cost Models and Optimization](#). Chapter 7 in Y. Manolopoulos et al. (eds.) Spatial Databases - Technologies, Techniques and Trends, IDEA Group, 2005.
 5. Oracle Spatial, <http://www.oracle.com/technology/products/spatial/index.html>

- Χρονικές:
 1. J. F. Allen. Maintaining knowledge about temporal intervals. Communications of the ACM, vol 26, no 11, November 1983.
 2. C.S. Jensen, J. Clifford, S.K. Gadia, A. Segev, R.T. Snodgrass. A Glossary or Temporal Database Concepts. SIGMOD RECORD, vol 21, no. 3, September 1991.
 3. R. Maiocchi, B. Pernici. Temporal Data Management Systems: A Comparative View. IEEE Transactions on Knowledge and Data Engineering, Vol. 3, no. 4, December 1992.
 4. http://www.cs.ucr.edu/~eamonn/time_series_data/
- Multimedia Databases:
 1. Multimedia Database Systems
http://books.google.gr/books?id=tCIVdXlaBJoC&pg=PA1&lpg=PA1&dq=multimedia+DBMS&source=bl&ots=EvNAbVIdkI&sig=lhkCszTTilf6Q57ctfZ1LLB75w8&hl=el&ei=f7TxSomiLp2CnQOP09CXDQ&sa=X&oi=book_result&ct=result&resnum=10&ved=0CD0Q6AEwCQ#v=onepage&q=multimedia%20DBMS&f=false
 2. Multimedia Database Systems: Where are we now?, <http://www-itec.uni-klu.ac.at/~harald/MMDBOverview.pdf>
 3. <http://www.springerlink.com/content/114h34640j536328/>
 4. <http://portal.acm.org/citation.cfm?id=273012>
 5. <http://portal.acm.org/citation.cfm?id=233554>
 6. <http://www.cs.umd.edu/projects/hermes/publications/abstracts/mds.html>
- XML Databases:
 1. XML Data Management
http://books.google.gr/books?id=7LNhdOeQulQC&dq=XML+Data+Management+Native+XML+and+XML-Enabled+Database+Systems&printsec=frontcover&source=bn&hl=el&ei=IyxxSuKHLMT0jAeqjMCWAQ&sa=X&oi=book_result&ct=result&resnum=4&ved=0CBcQ6AEwAw#v=onepage&q=&f=false (διαθέσιμο σε hard copy)
 2. <http://www.eas.asu.edu/~advdb/> (διαθέσιμο σε hard copy)
 3. <http://www.rpbouret.com/xml/XMLAndDatabases.htm>
 4. <http://www.rpbouret.com/xml/XMLDatabaseProds.htm#xmlanddatabases>
 5. <http://web.csie.chu.edu.tw/~chang/course/database-topic/lecture/ch6.ppt>
- Data Stream Management Systems:
 1. Amazon/Cougar (Cornell) – sensors
 2. Aurora (Brown/MIT) – sensor monitoring, dataflow
 3. Hancock (AT&T) – telecom streams
 4. Niagara (OGI/Wisconsin) – Internet XML databases
 5. OpenCQ (Georgia) – triggers, incr. view maintenance
 6. Stream (Stanford) – general-purpose DSMS
 7. Tapestry (Xerox) – pub/sub content-based filtering

8. Telegraph (Berkeley) – adaptive engine for sensors
 9. Tribeca (Bellcore) – network monitoring
- Mobile Databases:
 1. http://books.google.gr/books?id=ULmg1grduBMC&dq=Mobile+database+systems&printsec=frontcover&source=bn&hl=el&ei=7IHxSpHnFIPS-Qagj6XkAg&sa=X&oi=book_result&ct=result&resnum=4&ved=0CB0Q6AEwAw#v=onepage&q=&f=false
 - In-Memory Databases
 1. http://www.oracle.com/technology/documentation/timesten_doc.html
 2. http://en.wikipedia.org/wiki/In-memory_database