

CS 701 Paper Review Project

Possible Topics

- Database models
- Database access mechanism (such as indexing, hashing, etc)
- Query optimization
- Concurrency control and recovery
- Parallel algorithms for query processing
- Performance evaluation of DBMS
- Database machines
- Distributed database
- Multidatabases (Heterogeneous databases)
- Expert database
- Logic and database
- Multimedia database
- Object-Oriented database
- Image/Video database
- Engineering database
- CAD/CAM database
- Text retrieval system
- Data mining
- Data warehousing
- Web database/services
- Other relevant topics

Reference Sources

- IEEE Trans. on Software Engineering
- IEEE Trans. on Knowledge and Data Engineering
- Computer (IEEE Computer Magazine)
- Communications of ACM
- ACM Trans. on Database Systems
- ACM Trans. on Knowledge Discovery from Data
- ACM Trans. on Information Systems
- Information Systems
- Multimedia Systems (Journal by ACM and Springer International)
- IEEE Multimedia (Magazine by IEEE)
- Data and Knowledge Engineering (Journal)
- Data Mining and Knowledge Discovery (Journal)
- IEEE Tutorials, such as Tutorial on Database Systems, etc.
- Proc. of IEEE Int'l Conf. on Data Engineering
- Proc. of IEEE Int'l Conf. on Data Mining
- Proc. of ACM Conf. on Management of Data (SIGMOD Conference)
refer to the volumes of SIGMOD RECORD
- Proc. of ACM Symp. on Principles of Database Systems (PODS)
- Proc. of Very Large Data Bases (VLDB) Conference
- IEEE Trans. on Parallel and Distributed Systems
- ACM Computing Surveys
- Proc. of Int'l Conf. on Knowledge Discovery and Data Mining
and Others