



Call for Papers and Proposals

36th International Conference on Very Large Data Bases (VLDB 2010)

13 to 17 September 2010, Grand Copthorne Waterfront Hotel, Singapore

Website: <http://vldb2010.org>, Submission Site: <https://cmt.research.microsoft.com/VLDB2010>

VLDB 2010 calls for outstanding research papers as well as proposals for demonstrations. Tutorial and Panel proposals on all topics that will be of particular interest for the community are welcome. VLDB 2010 also strongly encourages the submission of workshop proposals on challenging topics in areas related to the VLDB focus. VLDB 2010 is organized into four tracks.

Core Database Technology Track

The Core Database Technology Track will evaluate papers on technologies intended to be incorporated within the database system itself. The topics of interest to this track include (but are not limited to):

- Active Databases*
- Benchmarking, Performance & Evaluation*
- Concurrency Control, Recovery and Transaction Management*
- Data Models and Languages*
- Database Administration and Manageability*
- Database Indexing and Search*
- Databases on Modern Hardware*
- Embedded and Mobile Databases*
- Engine-based Views, Replication, and Caching*
- Fuzzy, Probabilistic, and Approximate Data*
- Native Semi-Structured Data and XML*
- Parallel, Distributed, and Grid Databases*
- Private and Secure Databases*
- Query Processing and Optimization*
- Real-Time Databases*
- Reliable and Robust Databases*
- Scientific Databases*
- Spatial, Temporal & Multimedia Databases*
- Stream Databases*

Infrastructure for Information Systems Track

The Information Infrastructure Track covers all aspects of data management not implemented within a conventional database engine. The topics covered by this track include (but are not limited to):

- Content Delivery Networks*
- Data Design, Evolution and Migration*
- Data Extraction*
- Data Management in Computational Science*
- Data Mining*
- Data Quality and Semantics*
- Database Services and Applications*
- Heterogeneous and Federated DBMS (Interoperability)*
- Information Filtering and Dissemination*
- Information Integration and Retrieval*
- Meta-data Management*
- Middleware Platforms for Data Management*
- Mobile Data Management*
- Novel/Advanced Applications*
- On-Line Analytic Processing*
- P2P and Networked Data Management*
- Profile-based Data Management*

Provenance Management

Scientific Databases

Sensor Networks

User Interfaces and Visualization

Web Replication and Caching

Web Services and Web Service Composition

XML Middleware Platforms

Social Systems and Recommendations

Industrial applications and experience Track

The Industrial, Applications, and Experience Track covers innovative commercial database implementations, novel applications of database technology, and experience in applying recent research advances to practical situations, in any of the following example areas (or, in other areas where data management is important):

Adapting DB Technology to Industrial Settings and Requirements

Application Areas (Government, Finance, Humanities

Telecommunications, Home and Personal Computing, ...)

Bio-Informatics/Life Sciences

Business Process Engineering and Execution Support

Data Management for Developing Countries

Digital Libraries/Document Management

Electronic Commerce

Engineering Information Systems

Enterprise Data Management

Enterprise Resource Planning

Environmental Management

Experiences in Using DB Technology

Geographic Information Systems

Industrial-Strength Systems based on DB Technology

Mobile Computing

Self-Managing Systems

System Design and Implementation using DB Technology

Experiments and Analyses Track

Database management has been an active area of research for several decades. This special topic aims to meet needs for consolidation of a maturing research area by providing a prestigious forum for in-depth analytical or empirical studies and comparisons of existing techniques. The expected contribution of an Experiments and Analyses (E&A) paper is new, independent, comprehensive and reproducible evaluations and comparisons of existing data management techniques. Thus, the intended contribution of an E&A paper is not a new algorithm or technique but rather further insight into the state-of-the-art by means of careful, systematic, and scientific evaluation. Comparisons of algorithmic techniques must either use best-effort re-implementations based on the original papers, or use existing implementations from the original authors, if publicly available. Authors should discuss and validate substantial new results with authors of the original methods before submission.

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IMPORTANT DATES

Research Papers

1 March 2010 (5:00pm GMT, 10:00am PDT) Abstracts submission
9 March 2010 (5:00pm GMT, 10:00am PDT) Paper submission
17 May - 20 May 2010 Author feedback period
12 June 2010 Notification
11 July 2010 Camera-ready paper due

PhD Workshop Papers

10 April 2010 (5:00pm GMT, 10:00am PDT) Paper submission
12 June 2010 Notification
11 July 2010 Camera-ready paper due

Demonstration Proposals

22 March 2010 (5:00pm GMT, 10:00am PDT) Proposal submission
12 June 2010 Notification
11 July 2010 Camera-ready paper due

Workshop Proposals

31 January 2010 (5:00pm GMT, 10:00am PDT) Proposal submission
31 March 2010 Notification

Tutorial proposals

2 April 2010 (5:00pm GMT, 10:00am PDT) Proposal submission
12 June 2010 Notification

Panel Proposals

2 April 2010 (5:00pm GMT, 10:00am PDT) Proposal submission
19 June 2010 Notification

Conference

13 and 17 September 2010 Workshops
14 to 16 September 2010 Main Conference

