

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
- 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*

The 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.

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