



36th International Conference on Very Large Data Bases (VLDB2010) 13 to 17 September 2010, Grand Copthorne Waterfront Hotel, Singapore, Website: <http://vlldb2010.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

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

