
33rd International Conference on

Very Large Data Bases

Vienna, Austria
September 23-29 2007

Call for Papers and Proposals

VLDB 2007 marks the 33rd occurrence of the premier international forum for database researchers, vendors, practitioners, application developers, and users. We invite submissions reporting original results on all aspects of data management as well as proposals for panels, tutorials, and demonstrations that will present the most critical issues and views on practical leading-edge database technology, applications, and techniques. We also invite proposals for events and workshops that may take place at the conference site before or after the VLDB 2007 conference.

Topics of Interest

VLDB 2007 strongly encourages the submission of creative work that goes beyond improvements of already known results. Submissions may cover novel approaches in data management, visions that present new viewpoints and challenges, or a description of the implementation or deployment of advanced database technology in an industrial or application setting. Furthermore, since new challenging applications appear on the horizon, papers that describe those with respect to their technical substance, their impact, and their importance, and relate them to today's database technology are also solicited.

To continue the policy of broadening the range of topics covered at the conference, VLDB 2007 will be organized into three tracks, each with its own program committee:

- Core Database Technology
- Infrastructure for Information Systems
- Industrial, Applications, and Experience

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 and Performance
 - Concurrency Control and Recovery
 - Database Administration and Manageability
 - Database Indexing and Search
 - Database Performance and Evaluation
 - Embedded and Mobile Databases
 - Engine-based Views, Replication, and Caching
 - Fuzzy, Probabilistic, and Approximate Data
 - Image, Text, and Multimedia Databases
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- Native Semi-Structured Data and XML
- Parallel, Distributed, and Grid Databases
- Private and Secure Databases
- Query Processing and optimization
- Real-Time Databases
- Relational Models and Languages
- Reliable and Robust Databases
- Spatial and Temporal Databases
- Stream Databases
- XML Models and Languages

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
- Database Services and Applications
- Data Design, Evolution and Migration
- Data Management in Computational Science
- Data Mining, OLAP, and Scientific Databases
- 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
- P2P and Networked Data Management
- Profile-based Data Management
- Sensor Networks
- User Interfaces and Visualization
- Web Replication and Caching
- Web Services and Web Service Composition
- XML Middleware Platforms

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, Home and Personal Computing, Telecommunications, ...)
- 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
- Geographic Information Systems
- Industrial-Strength Systems based on DB Technology
- Mobile Computing
- Medical Systems
- Reporting of Pitfalls and Difficulties
- Retail Systems
- Self-Managing Systems
- System Design and Implementation using DB Technology
- Unique Experiences in Using DB Technology

In some cases, material might cut across more than one of the tracks, and indeed we strongly encourage papers that pursue some of the ties between them. As submissions will be judged by their appropriateness for the track in which they are being evaluated, appropriate placement of papers is important. If in doubt, we suggest contacting one of the PC chairpersons. The program committee reserves the right to move papers between the PCs to ensure the fairest possible evaluation.

Paper Submission Guidelines

Research Papers

Papers must adhere to the conference's duplicate submission policy, must be formatted according to the conference's camera-ready format, and are limited to 12 pages.

Paper submission must be done electronically using the conference management tools for the Core Database Technology or the Infrastructure for Information Systems track. For each paper, its authors must submit an abstract by March 14, 2007 (5:00 p.m. Pacific Standard Time). The full paper must subsequently be submitted electronically, in pdf format, by March 21, 2007 (5:00 p.m. Pacific Standard Time). Authors will be notified of the results by June 7, 2007. Further questions may be addressed to:

Core Database Technology Program Chair:
Minos Garofalakis (minos@yahoo-inc.com)

Infrastructure for Information Systems Program Chair:
Divesh Srivastava (divesh@research.att.com)

Industrial, Applications, and Experience Papers

Full papers or extended abstracts must be submitted electronically, in pdf format, by March 21, 2007 (5:00 p.m. PST) using the conference management tool. The conference's duplicate submission policy and the formatting requirements also apply. In particular, each paper must be formatted according to the conference's camera-ready format and the page length is restricted to at most 12 pages. Authors will be notified of the results by June 7, 2007. Further questions may be addressed to the Industrial, Applications & Experience Co-Chairs.

Proposal Guidelines

Demonstration Proposals

Demonstration proposals must be submitted electronically, in pdf format, by March 21, 2007 (5:00 p.m. PST) using the conference management tool. Proposals should be focused on new database technology, advances in applying databases, or innovative use of database techniques. Proposals must be submitted in camera-ready format and are limited to 4 pages. They should describe the demonstrated system, indicate what is going to be demonstrated, and state the significance of the contribution to database technology or applications. Proposals must not be published or under consideration for publication elsewhere. Authors will be notified of the results by June 7, 2007. Demonstration papers will appear in the proceedings. Further questions may be addressed to the Demonstration Co-Chairs.

Tutorial Proposals

Tutorial proposals must clearly identify the intended audience and its assumed background. Tutorials whose audience is broader than the database research community are encouraged. Proposals must be no more than 5 pages and must provide a sense of both the scope of the tutorial and depth within the scope. The intended length of the tutorial (1.5 or 3 hours)

should also be indicated, together with justification that a high-quality presentation will be achieved within the chosen time period and the indication of the main learning outcomes. Proposals should also include contact information (name, email, address, telephone number, and FAX number) and a brief bio of the presenters. If the proposed tutorial has been given previously, the proposal should include where the tutorial has been given and how it will be modified for VLDB 2007. Proposals must be submitted electronically by April 4, 2007 (5:00 p.m. PST) to the Tutorial Co-Chairs. Tutorial presentations will be made available to VLDB 2007 participants.

Panel Proposals

Panels should address timely and, preferably, controversial issues and must be debate-oriented rather than a series of short presentations. A proposal should include the topic title; a short statement about the importance and relevance of the panel and the potential issues of controversy; a tentative list of questions that will be posed to the panelists; a list of confirmed participants along with their affiliations; and a short bio of each participant. Proposals must be submitted electronically by April 4, 2007 (5:00 p.m. PST) to the Panel Co-Chairs. Short panel summaries will appear in the proceedings.

Workshop Proposals

VLDB 2007 will feature a number of co-located workshops on broad topics related to data management, and held before and after the main conference. Workshop proposals should be no more than 5 pages and include the workshop title, technical description of the topic and issues, justification, potential officers, duration, and history (if any) of the workshop. Proposals should be submitted electronically by February 16, 2007 to the Workshop Co-Chairs.

Important Dates

February 16, 2007	Workshop proposal submission deadline
March 14, 2007 (5:00 p.m. PST)	Abstract submission deadline
March 21, 2007 (5:00 p.m. PST)	Paper and Demonstration submission deadline
April 4, 2007 (5:00 p.m. PST)	Panel and Tutorial (extended!) submission deadline
June 7, 2007	Author notification
June 30, 2007	Camera-ready papers due
September 25-28, 2007	Main Conference in Vienna

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For further information please visit

<http://www.vldb.org/2007>