

# CALL FOR PAPERS

VLDB 2006 is a 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 between September 9th and 11th before the VLDB 2006 conference.

## Topics of Interest

VLDB 2006 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 2006 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
- Private and Secure Databases
- Concurrency Control and Recovery

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

**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):

- Data Management in Computational Science
- Data Design, Evolution and Migration
- Data Quality and Semantics
- Information Filtering and Dissemination
- Information Integration and Retrieval
- Database Services and Applications
- Heterogeneous and Federated DBMS (Interoperability)
- Meta-data Management
- Mobile Data Management
- Novel/Advanced Applications
- P2P and Networked Data Management
- Profile-based Data Management
- User Interfaces and Visualization
- Sensor Networks

- Web Replication and Caching
- Content Delivery Networks
- Web Services and Web Service Composition
- Middleware Platforms for Data Management
- XML Languages, Models, and Middleware
- Data Mining and OLAP

**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):

- Business Process Engineering and Execution Support
- Industrial-Strength Systems based on DB Technology
- Unique Experiences in Using DB Technology
- Designing and Implementing Systems in the Above Areas Using DB Technology
- Reporting of Pitfalls and Difficulties
- Adapting DB Technology in Industrial Setting to Industrial Requirements
- Financial Justification of Information Systems and Life-Cycle Costs
- Self-Managing Systems
- Bio-Informatics/Life Sciences
- Data Management for Developing Countries
- Digital Libraries/Document Management
- Electronic Commerce
- Engineering Information Systems
- Enterprise Data Management
- Enterprise Resource Planning
- Environmental Management
- Financial Services Applications
- Geographic Information Systems
- Government Applications
- Home and Personal Applications
- Humanities Applications
- Medical Systems
- Mobile Computing

- Retail Systems
- Telecommunications Applications

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.

## **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 9th, 2006 (5:00 p.m. Pacific Standard Time). The full paper must subsequently be submitted electronically, in pdf format, by March 16th, 2006 (5:00 p.m. Pacific Standard Time). Authors will be notified of the results by May 30th, 2006. Further questions may be addressed to:

#### **Core Database Technology Program Chair:**

David Lomet (lomet@microsoft.com)

#### **Infrastructure for Information Systems Program Chair:**

Gustavo Alonso (alonso@inf.ethz.ch)

### ***Industrial, Applications, and Experience Papers***

Full papers or extended abstracts must be submitted electronically, in pdf format, by March 16th, 2006 (5:00 p.m. Pacific Standard Time) 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 May 30th, 2006. Further questions may be addressed to:

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