



Data Engineering deals with the use of engineering techniques and methodologies in the design, development and assessment of information systems for different computing platforms and application environments.

The **24th IEEE International Conference on Data Engineering** will continue in its tradition of being a premier forum for presentation of research results and advanced data-intensive applications and discussion of issues on data and knowledge engineering. The mission of the conference is to share research solutions to problems of today's information society and to identify new issues and directions for future research and development work. **ICDE 2008** invites research submissions on all topics related to data engineering, including but not limited to those listed below:

Data Integration, Interoperability and Metadata
Ubiquitous Data Management and Mobile Databases
Query Processing, Query Optimization
Data Structures and Data Management Algorithms
Data Privacy and Security
Data Mining Algorithms
Data Mining Systems, Data Warehousing,
OLAP and Architectures
Distributed, Parallel, Peer to Peer Databases
XML Data Processing, Filtering, Routing and Algorithms

XML and Relational Query Languages, Mappings and Engines
Web Search and Deep Web
Databases for Science
Internet Grids, Web Services, Web 2.0 and Mashups
Data Streams
Sensor Networks
Temporal and Multimedia DBs, Algorithms & Data Structures
Spatial and High Dimensional DBs, Algorithms & Data Structures
Systems, Platforms, Middleware, Applications & Experiences
Database System Internals, Performance & Self-tuning

IMPORTANT DATES

Research and Industrial papers

Abstract deadline: **June 22, 2007**

Submission deadline: **June 27, 2007**

Panel, Demo and Seminar proposals

Submission deadline: **June 27, 2007**

Notification: **October 12, 2007**

Workshop proposals

Submission deadline: **June 27, 2007**

Notification: **August 1, 2007**

AWARDS

An award will be given to the best paper. A separate award will be given to the best student paper. Papers eligible for this award must have a (graduate or undergraduate) student listed as the first and contact author, and the majority of the authors must be students. Such submissions must be marked as student papers at the time of submission.

INDUSTRIAL PROGRAM

The conference will include an industrial track covering innovative commercial implementations or applications of database or information management technology, and experience in applying recent research advances to practical situations. Papers should describe innovative implementations, new approaches to fundamental challenges (such as very large scale or semantic complexity), novel features in information management products, or major technical improvements to the state-of-the-practice.

PANELS

Panel proposals are expected to address new, exciting, and controversial issues. They should be provocative, informative, and entertaining. Panel proposals must include an abstract, an outline of the panel format, and relevant information about the proposed panelists.

SUBMISSION INFORMATION

Papers must be prepared in the 8/5"x11" IEEE camera-ready format and, by specifying the right track, submitted electronically at <https://msrcmt.research.microsoft.com/ICDE2008>. All accepted papers will appear in the proceedings published by the IEEE Computer Society.

For more information, visit www.icde2008.org

DEMONSTRATIONS

Proposals for research prototype demonstration should focus on developments in the area of data and knowledge engineering, showing new technological advances in applying database systems or innovative data management/processing techniques. Papers should give a short description of the demonstrated system, explain what is going to be demonstrated, and state the significance of the contribution to database technology, applications or techniques.

ADVANCED TECHNOLOGY SEMINARS

Seminar proposals must include an abstract, an outline, a description of the target audience, duration (1.5 or 3 hours), and a short bio of the presenter(s).

WORKSHOPS

We solicit proposals for workshops related to the conference topics. Proposals for workshops should stress how they intend to provide more insight into the proposed topics with respect to the main conference. Workshop duration can be 1 day (April 7 or April 12) or 1.5 days (the afternoon of April 11 and all day April 12). All workshops will benefit from the registration process of ICDE 2008.