

25th IEEE International Conference on Data Engineering (ICDE 2009)

29 March – 4 April, 2009 Shanghai, China



Data Engineering refers to the use of engineering techniques and methodologies in the design, development and assessment of information systems for different computing platforms and application environments. The **25th International Conference on Data Engineering** provides a premier forum for sharing and exchanging research and engineering results to problems encountered in today's information society. The conference programme will include research papers on all topics related to data engineering, including but not limited to:

Approximation and uncertainty in databases	Social information management, annotation and data curation
Probabilistic databases	Query processing and query optimization
Data integration	Database tuning, and autonomic databases
Metadata management and semantic interoperability	Scientific, biomedical and other advanced applications
Data mining and knowledge discovery	Spatial, temporal and multimedia databases
Data privacy and security	Transaction and workflow management
Data streams and sensor networks	Ubiquitous, mobile, distributed, and peer-to-peer databases
Data warehousing, OLAP and data grids	Web data management
Database user interfaces and information visualization	XML data management
Personalized databases	Database architectures

Accepted contributions at ICDE 2009 will make efforts (1) to expose practitioners to the most recent research results, tools, and practices that can contribute to their everyday practical problems and to provide them with an early opportunity to evaluate them; (2) to raise awareness in the research community of the difficult data & information engineering problems that arise in practice; (3) to promote the exchange of data & information engineering technologies and experiences among researchers and practitioners; and (4) to identify new issues and directions for future research and development in data & information engineering.

AWARDS

An award will be given to the best paper submitted to the conference. 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.

INDUSTRIAL PROGRAM

ICDE 2009 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 will 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

Conference panels will address new, exciting, and controversial issues, being provocative, informative, and entertaining.

DEMONSTRATIONS

Presented research prototype demonstrations will 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.

TUTORIALS

ICDE 2009 will host tutorials, relevant to the conference topics. Tutorials can be single-session (1.5 hour) or for double-session (3 hour).

WORKSHOPS

The following workshops will be hosted by ICDE 2009:

- **DBRank: Third International Workshop on Ranking in Databases**
- **First IEEE Workshop on Information & Software as Services (WISS'09)**
- **Fourth International Workshop on Self-Managing Database Systems (SMDB 2009)**
- **Management and Mining of UNcertain Data (MOUND)**
- **Modeling, Managing, and Mining of Evolving Social Networks (M3SN)**
- **Second International Workshop on Data and Services Management in Mobile Environments (DS2ME 2009)**

For more information, visit <http://i.cs.hku.hk/icde2009/>