



The 21st International Conference on Data Engineering (ICDE 2005)

April 5-8, 2005

National Center of Sciences, Tokyo, Japan

Sponsored by

The IEEE Computer Society

The Database Society of Japan (DBSJ)

Information Processing Society of Japan (IPSJ)

The Institute of Electronics, Information and Communication Engineers (IEICE)

<http://icde2005.is.tsukuba.ac.jp/>

<http://icde2005.naist.jp/> (mirror)



CALL FOR PARTICIPATION

Welcome to ICDE 2005 Tokyo

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 21st International Conference on Data Engineering (ICDE 2005) provides a premier forum for:

- sharing research solutions to problems of today's information society
- exposing practicing engineers to evolving research, tools, and practices and providing them with an early opportunity to evaluate these
- raising awareness in the research community of the problems of practical applications of data engineering
- promoting the exchange of data engineering technologies and experience among researchers and practicing engineers
- identifying new issues and directions for future research and development work.

The conference will be held in Tokyo, the capital city of Japan. Tokyo is the most populous metropolitan area in the world. Yet despite its complex urban landscape and impressive architecture, this city abounds with parks and gardens. Particularly in the spring season, blooming *cherry blossoms* will welcome you to Tokyo.

ICDE 2005 Highlights

We have an exciting program designed to appeal both to researchers and to data engineering professions. It includes:

- Three keynote talks;
- Panels and advanced technology seminars (no additional fee);
- Presentations of 100 research papers (including 33 posters) out of over 500 submissions;
- 16 industrial papers and 20 demos;
- 10 workshops in conjunction with the main conference;
- Banquet at Happo-en Hall with beautiful Japanese garden.

Keynote Talks

- Michael Stonebraker (EECS Dept., M.I.T./StreamBase Systems, Inc.) – 2005 IEEE John von Neumann Medal Recipient – “One Size Fits All”: An Idea Whose Time Has Come and Gone
- Pat Selinger (IBM Research/Vice President): Top Five Data Challenges for the Next Decade
- Yoji Taniguchi (Systems Development Laboratory, Hitachi, Ltd.): IC Tag Based Traceability: System and Solutions

Panels

- Paradigm Shift to New DBMS Architectures: Research Issues and Market Needs: Sang K. Cha (Seoul National University and Transact In Memory, Inc.)
- Is There Anything New about Business Process Intelligence?: Malu Castellanos and Fabio Casati (Hewlett-Packard Lab)

Advanced Technology Seminars

- XQuery Midflight: Emerging Database-Oriented Paradigms and a Classification of Research Advances (Ioana Manolescu and Yannis Papakonstantinou)
- Rank-Aware Query Processing and Optimization (Inab F. Ilyas and Walid G. Aref)
- Data Stream Query Processing (Nick Koudas and Divesh Srivastava)
- Online Mining Data Streams: Problems, Applications, Techniques and Progress (Haixun Wang, Jian Pei, and Philip S. Yu)
- Web Service Coordination and Emerging Standards (Fabio Casati and Gustavo Alonso)
- Database Architectures for New Hardware (Anastassia Ailamaki)
- Data Mining Techniques for Microarray Datasets (Lei Liu, Jiong Yang, and Anthony K. H. Tung)

Workshops

- International Workshop on Biomedical Data Engineering (BMDE 2005), Apr. 3-4, 2005.
<http://www.db.is.kyushu-u.ac.jp/bmde2005/>
- International Workshop on Data Engineering Issues in E-Commerce (DEEC 2005), Apr. 9, 2005.
<http://www.cebt.re.kr/DEEC2005/>
- International Workshop on Managing Data for Emerging Multimedia Applications (EMMA 2005), Apr. 8-9, 2005.
<http://www.mmdb.ece.ucsb.edu/~echang/ieee-emma05.html>
- 1st IEEE International Workshop on Networking Meets Databases (NetDB 2005), Apr. 8-9, 2005.
<http://infolab.usc.edu/netdb05/index.html>
- International Workshop on Privacy Data Management (PDM 2005), Apr. 8-9, 2005. <http://www.db.soc.i.kyoto-u.ac.jp/PDM2005/>
- International Workshop on Realworld Multimedia Corpora in Mobile Environment (RWCinME 2005), Apr. 8-9, 2005.
<http://www.sp.m.is.nagoya-u.ac.jp/RWCinME/>
- International Workshop on Self-Managing Database Systems (SMDB 2005), Apr. 8-9, 2005.
<http://icde2005.aist-nara.ac.jp/smdb2005/>
- International Workshop on Ubiquitous Data Management (UDM 2005), Apr. 4, 2005. <http://www.dl.kuis.kyoto-u.ac.jp/UDM2005/>
- International Workshop on Challenges in Web Information Retrieval and Integration (WIRI 2005), Apr. 8-9, 2005.
<http://research.nii.ac.jp/WIRI/>
- 2nd International Workshop on XML Schema and Data Management (XSDM 2005), Apr. 8-9, 2005.
<http://web.umn.edu/~madrilas/XSDM05-ICDE.htm>

Registration Fees (until March 1, 2005/after March 1, 2005)

- Member: 50,000JPY/60,000JPY
- Nonmember: 65,000JPY/78,000JPY
- Student: 15,000JPY/22,000JPY