



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 Papers

Scope

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 ICDE 2005 International Conference on Data Engineering 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.

Welcome to Tokyo

The conference will be held in Tokyo, the capital city of Japan. Tokyo is also the most populous metropolitan area in the world. From its establishment in 1603 to the end of the 19th century, Tokyo prospered as a castle town called Edo. Tokyo still remains as an exciting and attractive city that is constantly developing. 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. Well-known sites close to Tokyo include the Great Buddha statue at Kamakura and the scenic Mt. Fuji.

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Topics of Interests / Program Committee Area Chairs

ICDE 2005 invites research submissions on all topics related to data engineering, including but not limited to those listed below:

Database System Internals and Performance:

Query Processing and Optimization:

Data Warehouse, OLAP, and Statistical Databases:

Mining Data, Text and Web:

Semi-structured Data and XML:

Middleware, Web Services, and Workflow:

Heterogeneity, Semantic Web, and Metadata:

Privacy and Security:

Stream Processing, Continuous Queries, and Sensor Databases:

Database Applications and Experiences:

Temporal, Spatial, Scientific, and Biological Databases:

Distributed, Parallel, Deep Web, and P2P Databases:

Data Management for Ubiquitous and Mobile Computing:

Anastassia Ailamaki (Carnegie Mellon University, USA)

Alfons Kemper (University of Passau, Germany)

Kian-Lee Tan (National University of Singapore, Singapore)

Kyuseok Shim (Seoul National University, Korea)

Jayavel Shanmugasundaram (Cornell University, USA)

Gustavo Alonso (ETH Zurich, Switzerland)

Wolfgang Nejdl (University of Hannover, Germany)

Sharad Mehrotra (UC Irvine, USA)

Phillip Gibbons (Intel Research, USA)

Jayant R. Haritsa (IISc Bangalore, India)

Jignesh M. Patel (University of Michigan, USA)

Evaggelia Pitoura (University of Ioannina, Greece)

Takahiro Hara (Osaka University, Japan)

Important Dates

Abstract deadline: June 24(THU), 2004 2pm PST

Submission deadline: July 1(THU), 2004 2pm PST

Notification date: September 13(MON), 2004

Demo/Seminar proposal deadline: July 1(THU), 2004

Industrial paper submission deadline: July 30(FRI), 2004

(See ICDE 2005 Web site for details)

Program Committee Members

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Call for Workshops

We invite proposals for workshops to be held in conjunction with ICDE 2005. 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. The scope definition of the proposal should encompass only some of the topics of the main conference.

Workshop proposals should be submitted to the workshop chair, Masatoshi Yoshikawa (yosikawa@itc.nagoya-u.ac.jp) with the title, a description of the topic, and the names of key organizers such as program chair(s), by July 1, 2004. Prior contact with the workshop chair is encouraged.

The organizer(s) of approved workshops will be responsible for advertising their workshop, and for the reviewing process for their workshop's papers, and for the collection of camera-ready copies of accepted papers.

Currently, workshops on the following topics are planned:

- Ubiquitous Data Management (UDM2005) — In Memoriam Prof. Kambayashi —
- Challenges in Web Information Retrieval and Integration
- Biomedical Data Engineering
- XML Schema and Data Management
- Privacy Data Management
- Autonomic Database Systems
- Realworld Multimedia Corpora in Mobile Environment

Related Conferences and Workshops

- RIDE 2005 (RIDE-SDMA: 15th International Workshop on Research Issues on Data Engineering: Stream Data Mining and Applications), April 3-4, 2005, Tokyo, Japan (to be held in conjunction with ICDE 2005)
- APWeb 2005 (7th Asia Pacific Web Conference), March 29-April 1, Shanghai, China. <http://apweb05.csm.vu.edu.au/>
- DASFAA 2005 (10th International Conference on Database Systems for Advanced Applications), April 18-20, 2005, Beijing, China. <http://dasfaa05.cs.tsinghua.edu.cn/>