



CALL FOR PAPERS/TUTORIALS/PANELS
8th International Conference on Database Systems
for Advanced Applications

DASFAA 2003

March 26-28, 2003, Kyoto, Japan

<http://db-www.aist-nara.ac.jp/dasfaa2003/>

SPONSORS

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SIGDBS, Information Processing Society of Japan (IPSJ)
Database Society of Japan (DBSJ) (tentative)
Kyoto University
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AIMS OF THE CONFERENCE

This conference provides an international forum for technical discussion among researchers, developers and users of database systems from academia, business and industry. DASFAA focuses on research in database theory, development of advanced DBMS technologies, and their advanced applications.

INVITED SPEAKER

Professor Jeffrey D. Ullman (Stanford University)

TOPICS OF GENERAL INTEREST

Original papers concerned with both theory and practice are solicited. The areas of interest include, but are not limited to the following:

- Data Modeling and Database Design
- Query Language and Query Optimization
- Multidatabases and Federated Databases
- Security and Integrity Maintenance
- Data Mining and Knowledge Discovery
- Text and Document Databases
- Semi-Structured Data
- Statistical and Scientific Databases
- Engineering Databases
- Parallel and Distributed Databases
- Data Warehousing
- Information Retrieval with Database Systems
- Workflow Management
- E-commerce
- Multimedia Databases
- Internet and the WWW
- Digital Libraries
- Mobile Databases
- User Interfaces
- Temporal and Spatial Databases
- Active Databases
- Application Servers
- New Applications

TOPICS OF INTEREST FOR SPECIAL TRACKS

To honor the original spirit of the DASFAA conference which puts emphasis on advanced applications, we created special tracks focusing on recent important research topics. DASFAA2003 has the following three SPECIAL TRACKS:

"Bioinformatics and Database"

Track Chair: Hideo Matsuda
Osaka University, Japan

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In the post-genome era, after the completion of the draft sequence of the human genome, we are faced with an explosion of new information. A tremendous amount of biological data is now available in databases, including information on genetic sequences, protein structure and function, genetic mutations, and diseases. These databases have grown spectacularly in number, in variety, and in size. A recent database directory listed 500 databases just in molecular biology. But the large amount of information is useful only if it can be applied to create knowledge. For this reason, the track focuses on bioinformatics and database, including, but not limited to, databases for genome, transcriptome, proteome, pathway and other biological information, and bioinformatic analysis from the databases, such as knowledge extraction, knowledge discovery and data mining.

" Data Stream Processing"

Track Chair: Venkatesh Ganti
Microsoft Research, U.S.A.
vganti@microsoft.com

Continuous data streams arise in several scenarios: network installations of large telecom and internet service providers, sensor networks, and large data warehouses. Detailed information from different parts of the network is continuously collected, stored and analyzed. Processing and analyzing such data streams poses several research challenges. The special track on stream data invites submissions of original research and industrial experience on topics related to data stream processing including (but not certainly limited to):

- I. Stream processing models and system architectures
- II. Techniques for accurately summarizing streaming data
- III. Mining data streams
- IV. Content-based processing of streaming data objects (e.g., text and XML documents)
- V. Visionary papers outlining future research directions

"XML Database"

Track Chair: Bongki Moon
University of Arizona, U.S.A.
bkmoon@cs.arizona.edu

With the growing popularity of XML as a new standard for information representation and exchange for many enterprise applications, the problem of managing and querying XML data is posing an important challenge to the database research community. The XML Database special track solicits submissions of original research and industrial papers in the following areas of interest.

- XML data management and publication
- Updating and versioning XML data
- Indexing XML data
- XML selectivity estimation
- Path and twig query processing
- XML query language and algebra
- XML namespace and schema
- Native XML database server
- XML benchmark
- New applications in XML
- RDF and semantic web



The review process for the papers submitted to SPECIAL TRACKS will be managed by each track chair.

IMPORTANT DATES

Electronic submission of abstract:	September 20, 2002
Paper submission:	September 27, 2002
Panel & Tutorial proposals:	September 27, 2002
Notification of acceptance:	December 2, 2002
Camera-ready copies:	January 2, 2003

PAPER SUBMISSIONS

Authors are invited to submit the title, author(s), email address of the contact author, and abstract of the paper to the following URL

<http://db-www.aist-nara.ac.jp/dasfaa2003/ConfMan/REG-paper/>
by September 20, 2002. Papers submitted to SPECIAL TRACKS should indicate the track name. The full paper in PDF format must be submitted by September 27, 2002 to the same URL. Each paper must not exceed 25 double-spaced pages. The title page must include the name and email address of the contact author. Detailed submission instructions will be made available at the same URL.

The proceedings of the conference is planned to be published from IEEE Computer Society Press.

PANEL SESSIONS AND TUTORIALS

Each panel or tutorial proposal should include a one-page description of the subject matter, the name of the organizer, and for panels, a list of proposed panelists. Submissions should be sent to the Tutorial/Panel Chair, Hiroshi Ishikawa (ishikawa@eei.metro-u.ac.jp).

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