

Database Systems for Advanced Applications

Aims of the Conference

As an annual international conference in Pacific Asia region, DASFAA is an international forum for academic exchanges and technical discussions among researchers, developers and users of databases from academia, business and industry. The conference will promote research and development activities in database field among participants and their institutions from Pacific Asia and the world as well.

Areas of Interests

The areas of interests of the conference include, but are not limited to the following:

- Query Language and Query Optimization
- Multidatabases and Federated Databases
- Security and Integrity Maintenance
- Data Mining and Knowledge Discovery
- Statistical and Scientific Databases
- Parallel and Distributed Databases
- Data Warehouses
- Information Retrieval with Database Systems
- Workflow Management
- E-commerce Data Processing
- Multimedia Databases
- Internet and the WWW Data Management
- Digital Libraries
- Mobile Databases
- User Interfaces
- Temporal and Spatial Databases
- Active Databases
- Data Streams
- P2P and Grid-Based Data Management
- Sensor Data Managing
- XML Databases
- New Applications
- DB-IR Integration
- Semantic Web

Call for Demo Proposals:

The DASFAA 2010 Demo program aims to bring together researchers, developers, and database users from the data management and Web communities.

It offers an exciting and highly interactive way of demonstrating your databases, systems, services, middleware, and Web research and is an excellent way of advertising the applicability of your results. Proposals for demonstrations of products or prototypes based on innovative research results are solicited.

It is mandatory that all demo proposals describe clearly what will be demonstrated and how the contributions will be illustrated interactively. Optionally, proposals can include a URL that shows a preliminary version of the demo (e.g., screenshots or, even better, an interactive program).

[A BEST DEMO AWARD will also be given out to the best demo\(s\) presented in the demo session during the conference.](#)

Areas:

DASFAA 2010 demo track will showcase leading edge work and work in progress in every area of databases, Web, and their applications. We are especially interested in products or prototypes in the following areas:

- Data model and query language
- Query processing and optimization
- Data structure and index
- Storage and transaction management
- Performance evaluation and tuning
- Data warehouse and OLAP
- Database system applications
- Temporal and spatial databases
- Parallel and distributed databases
- Mobile databases
- Data management in P2P and grid
- Sensor data management
- Multimedia databases
- XML and semi-structured data
- Data streams and time-series data

- Data mining and knowledge discovery
- Data quality and credibility
- Security and privacy
- User interfaces
- Data archive and digital library
- Information recommendation
- Search technology
- Web mining
- Information extraction and summarization
- Statistical and scientific databases
- Data management in the Internet and the Web
- Information integration and meta-data management
- Text databases and information retrieval

Submission:

All submitted demo proposals must be formatted according to the instructions for submission format for research submissions and must be no longer than four (4) pages in the Springer LNCS format. This page limit includes all parts of the paper: title, authors and affiliation, abstract, body, and bibliography. Accepted demo proposals will appear in the final proceedings (subject to approval by the proceedings publisher).

Demos will be selected based on (i) the novelty of the demo, (ii) the novelty and the technical quality of the underlying research, and (iii) the attractiveness of the demonstrated system. Demo proposals should be submitted via [the conference submission site](#).

Please note that for every accepted demo, it is required that at least one person registers for the conference and presents the demo.

Important Dates:

Proposal must be submitted by:

September 22, 2009

Notification (acceptance or rejection) by:

November 27, 2009

Camera-ready must be submitted by:

December 18, 2009

DASFAA 2010 Demonstration Co-Chairs

Takahiro Hara (Osaka University, Japan)

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



Accepted Demos

- **Privacy and Anonymization as a Service: PASS**
 Ghasem Heyrani Nobari (National Univ. of Singapore), Omar Boucelma (Univ. Paul Cézanne), Stephane Bressan (National Univ. of Singapore)
- **Visual Evaluation of Outlier Detection Models**
 Elke Achtert, Hans-Peter Kriegel, Lisa Reichert, Erich Schubert, Remigius Wojdanowski, Arthur Zimek (Ludwig-Maximilians-Univ. München)
- **ADERIS: Adaptively integrating RDF data from SPARQL endpoints**
 Steven Lynden, Isao Kojima, Akiyoshi Matono, Yusuke Tanimura (AIST)
- **Outline of a Community-type Content based on Wikipedia**
 Akiyo Nadamoto (Konan Univ.), Eiji Aramaki (Univ. of Tokyo), Takeshi Abekawa (NII), Yohei Murakami (NICT)
- **BISCAY: Extracting Riding Context from Bike Ride Data**
 Keiji Sugo, Manabu Miyazaki, Shin'ichi Konomi (Tokyo Denki Univ.), Masayuki Iwai (Univ. of Tokyo), Yoshito Tobe (Tokyo Denki Univ.)
- **SERPWatcher: A SERP Mining Tool as a Novel Social Survey Method in Sociology (Excellent Demo Award)**
 Yoshifumi Masunaga (Aoyama Gakuin Univ.), Naoko Oyama, Chiemi Watanabe (Ochanomizu Univ.), Kazunari Ito (Aoyama Gakuin Univ.), Kaoru Tachi (Ochanomizu Univ.), Yoichi Miyama (Aoyama Gakuin Univ.)
- **Corona: Energy-Efficient Multi-Query Processing in Wireless Sensor Networks**
 Uwe Rohm, Bernhard Scholz (Univ. of Sydney)
- **Aquiba: An Energy-Efficient Mobile Sensing System for Collaborative Human Probes**
 Niwat Thepvilojanapong, Shin'ichi Konomi (Tokyo Denki Univ./CREST), Jun'ichi Yura (Keio Univ.), Takeshi Iwamoto (Toyama Prefectural Univ.), Susanna Pirttikangas (Univ. of Oulu), Yasuyuki Ishida (Tokyo Denki Univ.), Masayuki Iwai (Univ. of Tokyo), Yoshito Tobe (Tokyo Denki Univ./CREST), Hiroyuki Yokoyama (KDDI R&D Labo.), Jin Nakazawa, Hideyuki Tokuda (Keio Univ.)
- **A Shoes-Integrated Sensing System for Context-Aware Human Probes**
 Kazumasa Oshima, Yasuyuki Ishida (Tokyo Denki Univ.), Shin'ichi Konomi, Niwat Thepvilojanapong, Yoshito Tobe (Tokyo Denki Univ./CREST)
- **DigestJoin: Expediting Joins on Solid-State Drives**
 Shen Gao, Yu LI, Jianliang Xu, Byron Choi, Haibo Hu (HKBU)
- **A Large Scale Key-value Store based on Range-key Skip Graph and its Applications**
 Susumu Takeuchi (NICT), Jun Shinomiya, Toru Shiraki, Yoshimasa Ishi, Yuuichi Teranishi (Osaka Univ.), Mikio Yoshida (BBR Inc.), Shinji Shimojo (NICT)

- **Answering Range-Aggregate Queries Over Objects Generating Data Streams**
Marcin Gorawski, Rafal Malczok (Silesian Univ. of Technology)
- **Real-time Log Analysis using Hitachi uCosminexus Stream Data Platform**
Yoshiyuki Hayashida, Nobuhiro Ioki, Naomi Arai, Itaru Nishizawa (Hitachi Ltd.)
- **Anddy: A System for Author Name Disambiguation in Digital Library**
Jia Zhu, Gabriel Fung, Xiaofang Zhou (Univ. of Queensland)
- **A System for Keyword Search on Hybrid XML-Relational Databases Using XRjoin**
Liru Zhang, Tadashi Ohmori, Mamoru Hoshi (Univ. of Electro-Communications)
- **MediaMatrix: A Video Stream Retrieval System with Mechanisms for Mining Contexts of Query Examples (Best Demo Award)**
Shuichi Kurabayashi, Yasushi Kiyoki (Keio Univ.)
- **Application Developments in Mashup Framework for Selective Browsing**
Takakazu Nagamine, Tomio Kamada (Kobe Univ.)
- **Retrieving System of Presentation Contents based on User's Operations and Semantic Contexts**
Daisuke Kitayama, Kazutoshi Sumiya (Univ. of Hyogo)
- **Fuzzy Keyword Search on Spatial Data (Excellent Demo Award)**
Sattam Alsubaiee Chen Li (UC Irvine)
- **Adaptive Recommendation for Preferred Information and Browsing Action Based on Web-Browsing Behavior**
Kosuke Takano (Kanagawa Inst. of Technology), Kin Li (Univ. of Victoria)
- **BIDEL: An XML-based System for Effective Fast Change Detection of Genomic and Proteomic Data**
Yang Song, Sourav Bhowmick (Nanyang Technological Univ.)
- **DISTRO: A System for Detecting Global Outliers from Distributed Data Streams with Privacy Protection**
Ji Zhang (Univ. of Southern Queensland)

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