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IEEE Computer Society

CALL FOR PAPERS
22nd International Conference on Data Engineering
April 3 - April 7, 2006

JW Marriott Buckhead Hotel, Atlanta, Georgia, USA
<http://icde06.cc.gatech.edu> Mirror: <http://icde06.ewi.utwente.nl>

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 22nd 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.

We especially encourage submissions that make efforts on (1) Exposing practitioners how the research results and tools can contribute to their everyday problems in practice, and providing them with an early opportunity to evaluate these tools; (2) Raising awareness in the research community of the problems of practical applications of data engineering and promoting the exchange of data engineering technologies and experience among researchers and practitioners; (3) Identifying new issues and directions for future research and development in the data engineering field.

ICDE 2006 invites research submissions on all topics related to data engineering, including but not limited to those listed below:

1. Data Integration, Interoperability, and Metadata
2. Ubiquitous Data Management and Mobile Databases
3. Query processing, query optimization, and data structures
4. Data Privacy and Security
5. Data Mining
6. Semi-structured data and XML databases
7. Distributed, parallel, Peer to Peer databases
8. Web Data Management and Deep Web
9. Scientific and Biological Databases and Bioinformatics
10. Workflow, Web Services
11. Stream processing and sensor databases
12. Data Grids, Data Warehousing, OLAP
13. Temporal, Spatial, and Multimedia databases
14. Database Applications and Experiences
15. Database System Internals and Performance

AWARDS

An award will be given to the best paper. 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. Such submissions must be marked as student papers at the time of submission.

INDUSTRIAL PROGRAM

The conference program will include a number of short papers and invited presentations devoted to industrial developments. Send your papers/proposals electronically, clearly marked as industrial track papers, to the Industrial Program Chair at <chris.bussler[AT]deri[.]org>.

PANELS

Panel proposals must include an abstract, an outline of the panel format, and relevant information about the proposed panelists. Send your proposals electronically by the submission deadline to the Panel Chair at <marek[AT]research[.]telcordia[.]com>.

ADVANCED TECHNOLOGY SEMINARS

Seminar proposals must include an abstract, an outline, a description of the target audience, duration (1.5 or 3 hours), and a short bio of the presenter(s). Send your proposals electronically to the Seminar Chair at <y Zhang[AT]csm[.]vu[.]edu[.]au>.

DEMONSTRATIONS

Demonstration proposals should focus on new technology advances in applying databases or new techniques. Proposals must be no more than four double-columned pages, and should give a short description of the demonstrated system, explain what is going to be demonstrated, and state the significance of the contribution to database technology, applications or techniques. Send your proposals electronically to the Demonstration Chairs at <govi[AT]aztec[.]soft[.]net>, <leo.mark[AT]cc[.]gatech[.]edu>, and <arjen[.]de[.]vries[AT]cwi[.]nl>.

SUBMISSION INFORMATION

Research papers must be prepared in the 8/5"x11" IEEE camera-ready format, with a 12-page limit, and submitted electronically at <http://icde06.cc.gatech.edu>. All accepted papers will appear in the Proceedings published by the IEEE Computer Society.

IMPORTANT DATES

Abstract Deadline: June 14, 2005
Submission Deadline: June 21, 2005
Notification: September 15, 2005

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