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IEEE Computer Society

CALL FOR PAPERS

20th International Conference on Data Engineering

March 30 - April 2, 2004
Omni Parker House Hotel, Boston, USA

http://www.cse.uconn.edu/cse/icde04

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 20th International Conference on Data Engineering will be held in Boston, Massachusetts, USA -- an academic and technological center with a variety of historical and cultural attractions of international prominence within walking distance.

The ICDE 2004 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.

ICDE 2004 invites research submissions on all topics related to data engineering, including but not limited to those listed below:

1. Indexing, access methods, data structures
2. Query processing (standard and adaptive) and query optimization
3. Data Warehouse, OLAP, and Statistical DBs
4. Mining Data, Text, and the Web
5. Semi-structured data, metadata, and XML
6. Web Data Management
7. Middleware, workflow, and security
8. Stream processing, continuous queries, and sensor DB's
9. Database applications and experiences
10. Distributed, parallel and mobile DB's
11. Temporal, Spatial and Multimedia databases
12. Scientific and Biological DBs; Bioinformatics

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 papers and invited presentations devoted to industrial developments. Send your papers/proposals electronically, clearly marked as industrial track papers, by July 2, 2003 to the Industrial Program Chair.

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 July 2, 2003 to the Panel Chair.

ADVANCED TECHNOLOGY SEMINARS
Seminar proposals must include an abstract, an outline, 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 by July 2, 2003 to the Seminar Chair.

DEMONSTRATIONS
Demonstration proposals should focus on new technology, advances in applying databases, or new techniques. Demonstration 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. Proposals should be submitted electronically by July 2, 2003 to the Demonstration Chair.

SUBMISSION INFORMATION
Research papers must be submitted via the ICDE 2004 web site in the 8/5"x11" IEEE camera-ready format, with a 12-page limit. Further instructions will be posted on the web site. All accepted papers will appear in the Proceedings published by the IEEE Computer Society.

Abstract Deadline: June 25, 2003
Submission Deadline: July 2, 2003
Notification: September 20, 2003

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