Call for Papers - STDBM 2006

The Third International Workshop on Spatio-Temporal Database Management

http://isel.cs.pusan.ac.kr/stdbm06/index.htm

in conjunction with VLDB 2006

September 11, 2006, Seoul, South Korea

Managing spatially and temporally referenced data is becoming increasingly important, given the continuing advances in wireless communications, ubiquitous computing technologies and the availability of real datasets to be managed. An exchange of ideas and a dialog between practitioners and researchers will benefit both the academic and the commercial world in the development of spatio-temporal database management.

The one-day third international workshop on Spatio-Temporal Database Management will bring together leading researchers and developers in the area of spatio-temporal databases in order to discuss state-of-the-art as well as novel research in spatio-temporal databases. The workshop is intended to serve as a forum for disseminating research and experience in this rapidly growing area. The topical areas of interest include (but are not limited to) the following:

- Data Modeling and Manipulation: This involves defining data semantics, models, data types, and query languages for different types of spatio-temporal data, including the modeling of uncertainty and imprecision.
- Query Processing and Indexing: This involves techniques for query optimization, indexing structures (and paradigms) for different types of spatio-temporal data (e.g., trajectories and moving objects) and different types of queries (e.g., spatio-temporal aggregations and joins).
- System Architecture and Integration: Issues here include the concrete realization of new techniques, i.e., building spatio-temporal extensions into, or on top of, existing systems.
- Decision Support and Analysis: Topics here include spatio-temporal data mining and data warehousing, as well as visualization techniques.
- Applications and Experimentation: This includes experiences with real applications, including the architectural solutions, as well as proposals of new and challenging applications. Another important aspect for research in general is reproducibility and comparability of results. Hence there is a need for standardization, i.e., spatio-temporal datasets and benchmarks.

Papers must be in English and should not exceed 8 pages in VLDB formatting (http://aitrc.kaist.ac.kr/~vlbd06/manuscript_preparation.html). Papers should be in PDF format and should be submitted via the workshop home page (http://isel.cs.pusan.ac.kr/stdbm06/). Each paper must include a short abstract and a list of keywords indicating subject classification. All accepted papers will be published in on-line proceedings of CEUR (http://sunsite.informatik.rwth-aachen.de/Publications/CEUR-WS).

Acceptance of a paper means an obligation for at least one of the authors to attend the conference and present the paper. The submitted material must not be published or submitted for publication in other outlets. Authors of selected best papers will be invited to submit an extended version of their papers for inclusion in a major international journal of GIS. For more information, please contact one of the workshop co-chairs, Prof. Christophe Claramunt (claramunt@ecole-navale.fr), Prof. Simonas Šaltenis (simas@cs.aau.dk), and Prof. Ki-Joune Li (lik@pnu.edu).

Important Dates:
- April 23, 2006 – Abstract submission due
- April 30, 2006 – Full paper submission due
- June 1, 2006 – Notification of paper acceptance
- July 10, 2006 – Camera-ready copy due