2007 International Workshop on Spatial and Spatio-Temporal Data Mining
Call for Papers
http://spatial.nvc.cs.vt.edu/sstdm07

Rationale

Widespread use of sensor networks and location aware devices has resulted in large amounts of spatial and spatio-temporal datasets in a variety of domains. The number and size of these datasets continues to increase rapidly, making their manual processing impossible. It is therefore, imperative that efficient and effective techniques are developed to extract useful information from these datasets. Traditional data mining techniques are ineffective in the spatial domain since they don't incorporate the special features of the spatial domain, e.g. spatial autocorrelation. The goal of the workshop is to bring together researchers, developers and practitioners in the field of spatial and spatio-temporal data mining together in order to identify current research foci, vital areas of need, and critical points of synergy. Selected papers will appear in the GeoInformatica journal as a special issue.

Topics

Topics of interest include but are not limited to:

o Theoretical foundations of spatial and spatio-temporal data mining
o Novel techniques for spatial and spatio-temporal data mining
o Role of uncertainty in spatial and spatio-temporal data mining
o Visualization techniques for spatial and spatio-temporal data mining results
o Languages and primitives for data mining
o Web mining techniques for spatial and spatio-temporal data
o Spatial and spatio-temporal data mining at multiple resolutions
o Scalable techniques for spatial data mining
o Applications and case studies in spatial and spatio-temporal data mining
o Data mining techniques for dynamic spatial and spatio-temporal data
o Role of spatial analysis in spatial and spatio-temporal data mining
o Data structures and indexing methods for spatio-temporal data mining
o Data mining from unstructured spatial and spatio-temporal data

Submission

This is an open call-for-papers. Only original, high-quality papers, in-line with the ICDM'07 standard guidelines, will be considered for this workshop. The manuscript should not exceed 6 single-spaced, double-column pages, including figures and tables. The font size should be at least 10 point. The submission paper should be in PDF file format. Prospective authors should submit electronically their contributions at the following website: http://wi-lab.com/cyberchair/icdm07/scripts/ws_submit.php

Important Dates

- **June 22, 2007**   **Deadline for paper submissions.**
- **August 1, 2007**   **Notification of acceptance.**
- **August 17, 2007**   **Final camera-ready paper due.**
- **October 28, 2007**   **Workshop date.**

Organizing Committee

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