



International Workshop on Data Management for Sensor Networks (DMSN'06)

to be held in conjunction with VLDB 06
September 11, 2006, Seoul, South Korea

<http://db.cs.pitt.edu/dmsno6>

Important Dates

Abstract Submission:
June 7, 2006
Paper Submission:
June 14, 2006
Acceptance Notification:
July 17, 2006
Camera Ready Due:
Aug 07, 2006

General Chairs

Alexandros Labrinidis
University of Pittsburgh
Samuel Madden
MIT

Program Chairs

Amol Deshpande
University of Maryland
Qiong Luo
HKUST

Steering Committee

Panos Chrysanthis
University of Pittsburgh
Mike Franklin
UC Berkeley
Johannes Gehrke
Cornell University
Joe Hellerstein
UC Berkeley

Workshop Aim

The workshop will focus on the challenges of data processing and management in networks of remote, wireless, battery-powered sensing devices (sensor networks). The power-constrained, lossy, noisy, distributed, and remote nature of such networks means that traditional data management techniques often cannot be applied without significant re-tooling. Furthermore, new challenges associated with acquisition and processing of live sensor data mean that completely new database techniques must also be developed.

Topics of Interest

We solicit papers that address all aspects of data management in sensor networks. Particular emphasis will be given to the following topics, as they relate to sensor networks:

- ❖ Data replication and consistency in noisy, lossy environments
 - ❖ Database languages for sensor tasking
 - ❖ Distributed data storage and indexing
 - ❖ Energy-efficient data acquisition and dissemination
 - ❖ In-network query processing
 - ❖ Integration of sensor network data into traditional and streaming data management systems
 - ❖ Networking support for data processing
 - ❖ Techniques for managing loss, uncertainty, and noise
 - ❖ Query optimization
 - ❖ Privacy protection for sensory data
-