

Call for Papers

International Workshop on Data Intensive Sensor Networks 2007 (DISN'07)

In conjunction with MDM'07; Mannheim, Germany, May 11, 2007
<http://www.ipd.uni-karlsruhe.de/DISN07>

AIMS & SCOPE

Data processing in Wireless Sensor Networks (WSNs) becomes especially challenging when the sensor applications have high bandwidth requirements and stringent delay constraints. Those requirements are common for Data Intensive Applications (DIAs) of WSNs, such as structural health monitoring, disaster management, emergency response, etc. The requirements of DIAs become especially critical for efficient data delivery in large-scale and mobile sensor networks.

DISN'07 aims to provide a platform for discussing open issues, current challenges and solutions on efficient utilization of Data Intensive Sensor Networks. A particular objective is to explore strategies that fuse techniques from databases and networking to meet high performance requirements. The workshop intends to bring together researchers and practitioners in a broad range of topics related to DISNs. Both theoretical and practical papers are solicited.

The topics of interest include but are not limited to:

- efficient deployment of large-scale data intensive sensor networks;
- data routing and aggregation under heavy network load;
- managing intensive data streams over sensor networks;
- handling inaccuracy, unreliability and data loss;
- energy- and time-efficient data delivery;
- performance target sensitive data delivery;
- mobility-aware data delivery;
- processing data-intensive declarative sensor queries;
- sensor query optimization across multiple network layers;
- application-driven sensor data interrogation;
- heterogeneous sensor networks;
- applications of data intensive sensor networks.

IMPORTANT DATES

Abstract submission:	February 16, 2007 (extended deadline)
Paper submission:	February 23, 2007 (extended deadline)
Notification of acceptance:	March 26, 2007
Camera-ready due:	April 1, 2007
Workshop date:	May 11, 2007

SUBMISSION INSTRUCTIONS

Authors are invited to submit original unpublished papers that are not being considered for publication at any other venue. All papers must be written in English and be at most 5 pages formatted according to the double-column IEEE format as described at <http://mdm2007.uni-mannheim.de>. The papers must be submitted in PDF format via email to disn07@ipd.uka.de

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