



## CALL FOR PARTICIPATION

### DMSN 2010: Seventh International Workshop on Data Management for Sensor Networks

September 13, 2010, Grand Copthorne Waterfront Hotel, Singapore  
(in conjunction with VLDB 2010)

<http://www.cs.ucy.ac.cy/~dmsn10/>

Sponsored by the Cooperating Objects Network Of Excellence (CONET)

#### Workshop Aim

The scope of the workshop includes all important aspects of sensor data management, including data acquisition, processing, and storage in remote wireless networks; the handling of uncertain sensor data; and the management of heterogeneous and sometimes sensitive sensor data in databases.

#### Detailed Program

**08:00 - 09:00: Registration** (Pre-registration: Sunday, September 12<sup>th</sup>, between 5 pm to 8 pm)

**09:00 - 09:15: Opening Remarks**

**09:15 - 10:30: Session I: Keynote by Prof. Kian-Lee Tan (National Univ. of Singapore, Singapore)**  
**Keynote Title:** *"What's NEXt? Sensor + Cloud!?"*

**10:30 - 11:00: Coffee Break**

**11:00 - 12:30: Session II: Data Provenance and Query Processing**

- *"Provenance-based Trustworthiness Assessment in Sensor Networks"*, Hyo-Sang Lim (Purdue, USA), Yang-Sae Moon (Kangwon National Univ., South Korea), Elisa Bertino (Purdue, USA)
- *"Facilitating Fine Grained Data Provenance using Temporal Data Model"*, Mohammad R. Huq, Andreas Wombacher and Peter M. G. Apers (Univ. of Twente, Netherlands)
- *"Processing Strategies for Nested Complex Sequence Pattern Queries over Event Streams"*, Mo Liu, Medhabi Ray, Elke A. Rundensteiner, Daniel J. Dougherty (Worcester Polytechnic Institute, USA), Chetan Gupta, Song Wang (HP Labs, USA), Ismail Ari (Ozyegin Univ., Turkey), Abhay Mehta (HP Labs, USA)

**12:30 - 14:00: Lunch Break (Kiwi Lounge: Level 2)**

**14:00 - 15:30: Session III: Mobile Sensor Networks and Outlier Detection**

- *"Query Driven Data Collection and Data Forwarding in Intermittently Connected Mobile Sensor Networks"*, Wei Wu (NUS, Singapore), Hock Beng Lim (Nanyang Technological Univ.) and Kian-Lee Tan (NUS, Singapore)
- *"DEMS: A Data Mining Based Technique to Handle Missing Data in Mobile Sensor Network Applications"*, Le Gruenwald, Md. Shiblee Sadik, Rahul Shukla and Hanqing Yang (Univ. of Oklahoma, USA)
- *"PAO: Power-Efficient Attribution of Outliers in Wireless Sensor Networks"*, Nikos Giatrakos (Univ. of Piraeus, Greece), Yannis Kotidis (AUEB, Greece), Antonios Deligiannakis (Technical Univ. of Crete, Greece)

**15:30 - 16:00: Coffee Break**

**16:00 - 17:45: Session IV: Panel "Future Directions in Sensor Data Management: A Panel Discussion"**

**Panel Moderator:** Demetris Zeinalipour (Univ. of Cyprus, Cyprus)

**Panelists:** Yanlei Diao (Univ. of Massachusetts - Amherst, USA), Le Gruenwald (NSF, USA), Christian S. Jensen (Aarhus Univ., Denmark) and Kian-Lee Tan (NUS, Singapore)

**17:45 - 18:00: Closing Remarks**

#### Program Chairs:

Wang-Chien Lee (Pennsylvania State University, USA)

Demetris Zeinalipour (University of Cyprus, Cyprus)