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MobiDE 2009: Eighth International ACM Workshop on Data Engineering for Wireless and Mobile Access
10 Year Anniversary

In-cooperation with

June 29, 2009, Providence, RI, USA
(in conjunction with SIGMOD/PODS 2009)
http://www.cs.fsu.edu/mobide09/

Sponsors:

General Chairs:

Yannis Kotidis
Athens University of Economics and Business
`kotidis@aueb.gr`

Pedro Jose Marron
University of Bonn
`pjmarron@cs.uni-bonn.de`

Program Chairs:
Le Gruenwald
University of Oklahoma
`ggruenwald@ou.edu`

Demetris Zeinalipour
University of Cyprus
`dzeina@cs.ucy.ac.cy`

Publicity Chair:

Feifei Li
Florida State University
`lifeifei@cs.fsu.edu`

Demonstration Chair:

Zografoula Vagena
Microsoft Research Cambridge
`zografv@microsfot.com`

This is the eighth of a successful series of workshops that aims to act as a bridge between the data management, wireless networking, and mobile computing communities. This year's event marks the 10-year anniversary of the workshop. As in the past 10 years, the workshop will continue to serve as a forum for researchers and technologists to discuss the state-of-the-art, present their contributions, and set future directions in data management for mobile and wireless access.

The topics of interest related to mobile and wireless data engineering include, but are not limited to:

* ad-hoc networked databases
* consistency maintenance and management
* context-aware data access and query processing
* data caching, replication and view materialization
* data publication modes: push, broadcast, and multicast
* database issues for moving objects: storing, indexing, etc.
* mobile agent models and languages
* mobility-aware data mining and warehousing
* mobile database security
* mobile databases in scientific, medical and engineering applications
* mobile peer-to-peer applications and services
* mobile transaction models and management
* mobile web services
* mobility awareness and adaptability
* pervasive computing
* prototype design of mobile databases
* quality of service for mobile databases
* sensor network databases
* transaction migration, recovery and commit processing
* wireless multimedia systems

This year's program includes six research talks, two demos, two keynote speeches, and a panel discussion. The first keynote will be presented by Prof. Matt Welsh from Harvard University. The second keynote will be given by Dr. Frank Olken, a program director from National Science Foundation, Information and Intelligent Systems Division. The panel's title is "20 Years of Mobile Data Management Research: Vision and Reality", which will be moderated by Prof. Panos K. Chrysanthis from University of Pittsburgh. The program for the workshop is attached. We are looking forward to an exciting program and your participation!

Please register at http://www.regmaster.com/conf/sigmod2009.html

PRELIMINARY PROGRAM

Opening and Keynote One

Keynote Speaker: Matt Welsh (Harvard University, USA)
Keynote Title: "A New Era of Resource Responsibility for Sensor Networks"

Coffee Break (Foyer)

Session 1: Database Issues for Mobile Computing

"Using Transaction Isolation Levels for Ensuring Replicated Database Consistency in Mobile Computing Environments", Jose Monteiro (PUC-Rio, Brazil), Angelo Brayner (University of Fortaleza, Brazil) and Sergio Lifschitz (PUC-Rio, Brazil)

"Data-aware connectivity in mobile replicated systems", Joao Barreto, Joao Garcia, Luis Veiga, Paulo Ferreira (Technical University Lisbon, Portugal)

"Bandwidth-constrained Distributed Skyline Computation", Vlachou Akrivi and Kjetil Norvag (NTNU, Norway)

Lunch Break

Session 2: Context/Location-based Data Access and Query Processing

"Towards Context and Preference-Aware Location-based Database Systems", Mokbel Mohamed and Justin Levandoski (Univ. Of Minnesota, USA)

"Law-Aware Access Control for International Financial Environment", Stieghahn Michael and Thomas Engel (Univ. Of Luxembourg, Luxembourg)

"An Innovative Architecture for Context Foraging", Tsetsos Vassileios and Stathes Hadjiefthymiades (Univ. Of Athens, Greece)

Session 3: Demonstrations

"Demonstrating Evacuation Algorithms with Mobile Devices using an e-Scavenger Hunt Game", Connor Alexander, Callen Shaw, Alexander Connor, Alexandros Labrinidis and Panos Chrysanthis (Univ. of Pittsburgh, USA)

"MobiSNA: a Mobile Video Social Network Application", Liang Gou, Jung-Hyun Kim, Hung-Hsuan Chen (Penn State University, USA), Jason Collins, Marc Goodman (Alcatel-Lucent, USA), Xiaolong (Luke) Zhang, C. Lee Giles (Penn State University, USA))

Coffee Break (Foyer)

Keynote Two & Panel

Keynote Speaker: Dr. Frank Olken (Program Director, NSF, IIS Division),
Keynote Title: "Space, Time, Sensors, and Data Semantics"

Panel Title: "20 Years of Mobile Data Management Research: Vision and Reality"
Panel Moderator: Panos K. Chrysanthis (University of Pittsburgh)

Closing Remarks