ACM Workshop for Ph.D. Students in Information and Knowledge Management
PIKM 2010

Saturday, October 30, 2010, Room Alberta

Workshop Co-Chairs:
- Anisoara Nica, Sybase iAnywhere, Waterloo, Canada
- Aparna S. Varde, Montclair State University, USA

Program Schedule:

9:00-9:15  Welcome
Aparna S. Varde, Montclair State University, USA

9:15-10:00  Keynote Address
Session Chair: Anisoara Nica, Sybase iAnywhere, Waterloo, Canada

Schema Discovery
Professor. Renee Miller, University of Toronto, Canada

10:00-10:30  Coffee Break and Poster Session

10:30-12:30  Session 1: Database Track (DB)
Session Chair: Aparna S. Varde, Montclair State University, USA

Annotations: Dynamic Semantics in Stream Processing
Juan Amiguet, Andreas Wombacher, Tim E. Klifman

Adaptive Query Processing in Data Stream Management Systems Under Limited Memory Resources
Fatima Farag, Moustafa Hammad, Reda Alhajj

Efficient Algorithms Based on Relational Queries to Mine Frequent Graphs
Walter Garcia, Carlos Ordonez, Kai Zhao, Ping Chen

Quality Factory and Quality Notification Service in Data Warehouse
Yan Li, Kweku-Muata Osei-Bryson

12:30-14:00  Lunch

14:00-15:30  Session 2: Knowledge Management Track (KM)
Session Chair: Fabian M. Suchanek, INRIA, France

Entity Classification by Bag of Wikipedia Articles
Tomas Kliegr

A Decision Support System for Green Data Centers
Michael J. Pawlish, Aparna S. Varde

Leveraging Natural Language Processing of Clinical Narratives for Phenotype Modeling
Preethi Raghavan, Albert M. Lai

15:30-16:00  Coffee Break and Poster Session

16:00-17:00  Session 3: Information Retrieval Track (IR)
Session Chair: Anisoara Nica, Sybase iAnywhere, Canada

Research Proposal for Distributed Deep Web Search
Kien-Tsoi T.E. Tjin-Kam-Jet

From Exploratory Search to Web Search and Back
Roberto Mirizzi, Tommaso Di Noia
17:00-18:00  **Session 4: Poster Session**

**Identifying the Challenges for Optimizing the Process to Achieve Reproducible Results in E-Science Applications**  
Mohammad Rezwanul Hug, Andreas Wombacher, Peter M.G. Apers

**Probabilistic Ranking for Relational Databases Based on Correlations**  
Jaehui Park, Sang-goo Lee

**Toward the Design of a Methodology to Predict Relevance Through Multiple Sources of Evidence**  
Emanuele Di Buccio, Massimo Melucci

**A Secure Pervasive Health Care System Using Location Dependent Unicast Key Generation Scheme**  
Debargh Acharya, Vijay Kumar

**A Multi-Functional Architecture Addressing Workflow and Service Challenges Using Provenance Data**  
Mahsa Naseri, Simone A. Ludwig

**Modeling a Trust Cloud Context**  
Sean Thorpe