

**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 Amigué, 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 Huq, 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