

8:00-8:45	Registration
8:45-9:00	HDMS04 Opening
9:00-10:00	Invited Talk: Data-Oriented Middleware <i>The Internet meets Databases</i> <i>Yannis Papakonstantinou</i>
10:00-10:30	Coffee Break
10:30-12:30	Paper Session 1: Advanced Query Processing (4 full papers) Studying Constrained Query Personalization Problems <i>Georgia Koutrika, Yannis Ioannidis</i> Approximate Top-k Query Algorithms over Widely Distributed Data Sources <i>Peter Triantafillou, Sebastian Michel, Gerhard Weikum</i> Evaluating Motion Pattern Queries Using Conjoint Spatio-Temporal Predicates <i>Marios Hadjieleftheriou, George Kollios, Petko Bakalov, Vassilis Tsotras</i> Scheduling Multiple Continuous Queries to Improve QoD <i>Mohamed A. Sharaf, Alexandros Labrinidis, Panos K. Chrysanthis, Kirk Pruhs</i>
12:30-14:00	Lunch
14:00-16:00	Paper Session 2: Data Warehouses and Data Mining (4 full papers) Logical Optimization of ETL Workflows <i>Alkis Simitsis, Panos Vassiliadis, Timos Sellis</i> Relational Methods for Efficient Analytical Processing <i>Konstantinos Morfonios, Yannis Ioannidis</i> Less is More: How to Tame a Very Large ER Diagram <i>Yannis Tzitzikas, Jean-Luc Hainaut</i> Subspace Clustering of High Dimensional Data <i>Dimitris Papadopoulos, Carlotta Domeniconi, Dimitrios Gunopoulos, Sheng Ma</i>
16:00-17:15	Paper Session 3: Semistructured Data and the Semantic Web (1 full + 3 short papers) Containment and Minimization of RDF/S Query Patterns <i>Giorgos Serfiotis, Ioanna Koffina, Val Tannen</i> Semantic-based Querying of Tree-Structured Data <i>Dimitri Theodoratos, Theodore Dalamagas, Antonis Koufopoulos</i> Semantic User Preference Descriptions in MPEG-7/21 <i>Chrisa Tsinaraki, Stavros Christodoulakis</i> Building Community Web Directories with Probabilist Latent Semantic Analysis <i>Dimitris Pierrakos, Georgios Paliouras</i>
17:15-17:45	Coffee Break
17:45-19:15	Invited Tutorial: Data Stream Query Processing <i>Nick Koudas</i>



August 25-26
2005, Athens

Friday, August 26

- 9:00-10:30 **Paper Session 4: Peer-to-Peer Systems**
(2 full + 2 short papers)
- Replication, Load Balancing and Efficient Range Query Processing in DHTs
Theoni Pitoura, Nikos Ntarmos, Peter Triantafillou
- Publish/Subscribe Functionality in IR Environments using Structured Overlay Networks
Christos Tryfonopoulos, Stratos Idreos, Manolis Koubarakis
- Efficient Query Routing in RDF/S schema-based P2P Systems
Lefteris Sidirourgos, George Kokkinidis, Theodore Dalamagas
- Musical Retrieval in P2P Networks under the warping distance
Ioannis Karydis, Alexandros Nanopoulos, Apostolos Papadopoulos, Yannis Manolopoulos
- 10:30-11:00 **Coffee Break**
- 11:00-12:30 **Invited Tutorial: Database Architectures for New Hardware**
Anastassia Ailamaki
- 12:30-14:00 **Lunch**
- 14:00-16:15 **Paper Session 5: Sensor Networks, Continuous Queries and Synopses**
(4 full + 1 short papers)
- Efficient Query Processing in Sensor Networks
Antonios Deligiannakis, Yannis Kotidis
- Dynamic Sharing of Data and Work Across Queries
Stavros Harizopoulos, Vladislav Shkapenyuk, Anastassia Ailamaki
- Single-Pass, Low-Maximum-Error Wavelet Synopses
Panagiotis Karras, Nikos Mamoulis
- A Fast Approximation Scheme for Probabilistic Wavelet Synopses
Antonios Deligiannakis, Minos Garofalakis
- Approximate Answers for XML Queries with Range Predicates
Alkis Polyzotis, Minos Garofalakis
- 16:15-17:15 **Doctoral Forum**
4 (PhD) papers
- Foundations of Preference-based Queries
Periklis P. Georgiadis
- Methods for Retrieval and Analysis of Symbolic and Acoustic Music Databases
Ioannis Karydis
- Foundations of Online Analytical Processing
Konstantinos Morfonios
- Enabling Dynamic-Content Front-end Web Caching
Manolis Veliskakis
- 17:15-17:45 **Coffee Break**
- 17:45-19:15 **Panel: Undergraduate/Graduate Studies in Data Management**
Michalis Hatzopoulos

SPONSOR:

oracle

**Financial and
Organizational Support:**

**FOUNDATION FOR RESEARCH
AND TECHNOLOGY -HELLAS
(FORTH)**



UNIVERSITY OF CRETE



**NATIONAL AND KAPODISTRIAKON
UNIVERSITY OF ATHENS**



**Under the Auspice of the
HELLENIC MINISTRY OF
NATIONAL EDUCATION AND
RELIGIOUS AFFAIRS**

