PDMST'08 (P2P Data Management, Security and Trust) is the fifth annual international workshop running in conjunction with the DEXA conference series. The workshop will provide an important forum for the dissemination and exchange of new ideas and research related to mobility aspects in P2P data management, trust and security.

GRep'08 (Data management in Global data Repositories) is the fourth annual international workshop running in conjunction with the DEXA conference series. The workshop provides an important forum for researchers and practitioners to discuss their insights on issues related to global-scale data management. The unprecedented growth of electronic data on a global scale has indeed created a strong need for global-scale data repository systems, which facilitate users in accessing any data in real-time from anywhere at anytime.

This year, we have combined the PDMST and GRep workshops to reflect the converging aspects of the P2P paradigm and global-scale data management. The objective of this combined workshop is to bring together researchers and practitioners to discuss all aspects of the emerging P2P computing paradigm and global-scale data management in a synergistic manner. Both theoretical papers and papers reporting implementation and practical results were solicited.

The topics of interest included, but were not limited to the following:

- Scalable P2P Computing Architectures
- Replication, Caching and Consistency Management in P2P Computing
- Transaction Management and Recovery in P2P Systems
- Indexing, Searching and Querying in P2P
- Data Streaming and Aggregation in P2P Computing
- Mobile Agents in P2P computing
- Semantic Web and P2P Computing
- Trusted Resource Discovery in P2P Networks
- Trust and Reputation Models for P2P Computing
- Data Authentication and Peer Authorization in P2P Computing
- Data Security in P2P Computing
- Mobile P2P and Ad-hoc Wireless Computing
- GRIDs
- Global-scale Data Integration
- Data Semantics
- Resource Allocation and Scheduling in Wide-Area networks
Heterogeneity in global-scale environments
- Global-Scale Distributed Applications and Experiences
- Data Mining
- Data Warehousing

We have selected 7 high quality papers for the discussion and presentation in the workshop and inclusion in the proceedings. The workshop program includes three sessions. The first session is on "Mobile P2P Computing". The second session focuses on "XML, Data Warehouse and Grid" computing.

Major credit for the quality of the workshop program is due to the authors, who submitted high-quality papers and to the members of the Program Committee, who shared their valuable expertise and time to make the workshop a success.

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