Message from the Program Chairs

It is our great pleasure to welcome you all to the 11th IEEE International Conference on Mobile Data Management (MDM 2010), that takes place in Kansas City, Missouri, USA, from May 23–26, 2010. The annual MDM conference is a leading international forum that focuses on data management for mobile, ubiquitous, and pervasive computing. It brings together a wide range of researchers, practitioners, and users to explore and share scientific and industrial challenges that arise in the areas of mobile data management and mobile computing. MDM 2010 is technically cosponsored by the IEEE Computer Society. We hope you find the conference academically stimulating and the location interesting and enjoyable.

We took great care in bringing forward an exciting research program that is characterized by depth and breadth, spanning both predominant and emerging fields in data management for mobile computing. The conference accepted 16 full-length research papers (i.e., an acceptance rate of 25%), 10 short papers, and 8 poster papers. We additionally accepted 3 full-length and 2 short industry papers, and 10 Ph.D. forum papers. The 16 full-length and the 10 short research papers were classified based on their research topics in one of the following seven categories: localization and location-based services, GIS, multimedia and storage, privacy and trust management, query processing for location-based services, wireless networks, query processing in wireless sensor networks, and moving objects. The 3 full-length and 2 short industry papers were assigned to two industrial sessions. The 8 poster papers and 10 Ph.D. forum papers were respectively assigned a poster session and a Ph.D. forum session. These sessions and forums cover a variety of significant and recent research works related to data management in mobile, ubiquitous, and pervasive computing.

In addition to research contributions, MDM 2010 will co-host 6 co-located workshops, 2 keynote talks, 2 seminars, 1 panel discussion, and 6 demos. One keynote talk is by Prof. Mahadev Satyanarayanan (Satya), School of Computer Science, Carnegie Mellon University, titled “VM-Based Cloudlets in Mobile Computing” and the other is by Mr. Jon S. Jones of Air Force Research Lab, Rome, New York, titled “Sensor Fusion Reliance on Data Management.” We have organized an invited talk by John Blakeney, chief information officer of Commerce Bank, Kansas City, titled “Securing Banks from Authorized Users’ Attack.” Finally, the conference presents two seminars, one by Goce Trajcevski (Northwestern University, USA) and Dimitrios Gunopulos (University of Athens, Greece) titled “On the Similarity of Motions” and the second by Alejandro Vaisman (Universidad de Buenos Aires) called “Trajectory Warehousing and Mining: a State-of-the-Art and Research Directions.”

Besides authors who provided the content of the program, several other people have contributed to the successful organization of MDM 2010. One of our initial concerns was to set up a technically and geographically diverse, yet concrete, Technical Program Committee (TPC) that would enable us to make high-quality decisions. For this, we set up a TPC of 70 members that spanned the following continents: North America (40%), Asia (30%), Europe (29%), and Australia (less than 1%). Our TPC board came both from academia (86%) and industrial research labs (14%). We also had 38 external reviewers who were invited and coordinated directly by the TPC members. We owe our sincere gratitude to all of these members for their excellent work in reviewing the papers and providing valuable feedback under a tight schedule. Every paper was reviewed at least by 3 TPC members and all papers went through a discussion phase, during which a final verdict emerged. We would like to thank Microsoft for granting us permission to use the Microsoft Conference Management System (CMT) and the entire CMT support team, for their help in setting up and managing the online review process. The latest features in CMT made it extremely easy to cope with virtually all aspects of the reviewing process.

Our special thanks go to the general chairs of MDM 2010 Christian S. Jensen (Aalborg University, Denmark) and Sanjay Madria (Missouri University of Science and Technology, USA) for their frequent advice that guided us through many of the questions and concerns that arose along the way. We are also grateful to the following people for so colorfully dressing the MDM 2010 program:
• **Industrial Chairs:** Gary Gaddis (University of Missouri–Kansas City and St. Lukes Hospital, Kansas City, USA), Ali Hurson (Missouri University of Science and Technology, USA) and Tamer Nadeem (Siemens Corporate Research, USA)

• **Tutorial Chairs:** Evi Pitoura (University of Ioannina, Greece) and Peter Scheuermann (Northwestern University, USA)

• **Demo Chairs:** Oleg Gusak (University of Missouri–Kansas City, USA) and Mohamed Sharaf (University of Toronto, Canada)

• **Publicity Chairs:** Debopam Acharya (Georgia Southern University, USA) and Rui Zhang (University of Melbourne, Australia)

• **Proceedings Chairs:** Yugyung Lee (University of Missouri–Kansas City, USA) and Dan Lin (Missouri University of Science and Technology, USA)

• **Panel Chairs:** Bharat Bhargava (Purdue University, USA) and Nalini Venkatasubramanian (UC Irvine, USA)

• **Workshop Chairs:** Le Gruenwald (University of Oklahoma, USA) and Sunil Prabhakar (Purdue University, USA)

• **Ph.D Forum:** Cory Beard (University of Missouri-Kansas City, USA) and Sriram Chellappan (Missouri University of Science and Technology, USA)

Additionally, we would like to thank our Treasurer and Local Arrangements Chair, Praveen Rao (University of Missouri–Kansas City, USA) for his valuable help with the registration process and local arrangement activities. We also want to thank the IEEE and the IEEE Computer Society for technically co-sponsoring the conference and for taking care of the publication process. We acknowledge the help of many people from these organizations. In particular, we would like to thank Randall Bilof (IEEE Computer Society) and Bob Werner (IEEE Computer Society) who took care of the camera-ready submission and post-production process.

Last, but definitely not least, we want to thank our industrial sponsors: IBM/Informix, Garmin; our local sponsors: Commerce Bank, Holiday Inn, and Burns & McDonnell; and the personal sponsors for their generous support to the conference. We thank all of them deeply.

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MDM 2010 Program Chairs