

# Foreword

It is our great pleasure to welcome you all to the *Fifth ACM International Workshop on Data Engineering for Wireless and Mobile Access (MobiDE 2006)*, which is held in conjunction with ACM SIGMOD/PODS 2006. This workshop brings together researchers in databases, networking, and mobile computing with the aim of connecting the data management and mobile computing communities. It provides opportunities for a full day of exciting discussions on the topic of data management in mobile and wireless environments. The workshop serves as a forum for researchers and technologists to discuss the state-of-the-art, present their contributions, generate novel ideas, and set new directions for data management for mobile and wireless access.

MobiDE 2006 is the fifth in a series of workshops. The previous workshops took place in Seattle, WA, in conjunction with MobiCom 1999; in Santa Barbara, CA, together with SIGMOD/PODS 2001; in San Diego, CA, in conjunction with MobiCom 2003; and in Baltimore, MD, in conjunction with SIGMOD/PODS 2005.

The workshop program has been put together with the aim of presenting new and controversial research ideas so as to foster interaction among researchers from around the world. The call for papers attracted 31 submissions from 14 countries: Brazil, Canada, China, Cyprus, France, Germany, Greece, Japan, Korea, Norway, Portugal, Tunis, U.K., and U.S.A. Due in parts to MobiDE now being an established outlet for research results and to the co-location with ACM SIGMOD/PODS, many submissions were of very high quality, making the selection process quite competitive. All submissions were reviewed by at least 3 members of the Program Committee. This was followed by a discussion phase, where the reviewers of each submission had the opportunity to discuss the submission and its reviews. As a result, 10 submissions were accepted as full papers, and 2 submissions that reported on promising works in progress were accepted as short papers. In addition, a very interesting invited talk, "A Data Architecture for Consumer RFID Applications," by Gaetano Borriello from the University of Washington is included in the program. This talk probes into the consumer side of the mobile environment.

The program reflects the depth and breadth of the field, with sessions covering important aspects of mobility, location-based processing, and the introduction of sensor technology into the real world. Thus, these proceedings provide an excellent point of reference on the increasingly important area of data engineering for mobile and wireless computing.

Many individuals have contributed to the successful organization of MobiDE 2006. Our special thanks go to the publicity chair, Magdalena Balazinska from the University of Washington, who did a stellar job promoting MobiDE 2006. Next, we owe our sincere gratitude to the members of the Program Committee and external reviewers for putting their insight to work in reviewing the papers within the constraints given by a tight schedule. Due to their efforts, it has been possible to assemble a very exciting program. We thank Surajit Chaudhuri for granting us permission to use the Microsoft CMT service and also thank the CMT Team for their help. Our thanks also go to Lisa Tolles at Sheridan Printing for her invaluable help with these proceedings.

We are grateful to our industrial sponsors: HP Labs, Microsoft Research, and Sereniti. In particular, we would like to thank Sujata Banerjee at HP Labs, David Lomet at Microsoft Research, and M. Fahim Siddiqui at Sereniti for their support.

Last but not least, we would like to thank ACM and, in particular, SIGMOD for sponsoring the workshop and SIGMOBILE for supporting it. Many individuals in these organizations offered their help. First, we would like to thank Yannis Ioannidis, the SIGMOD Vice-Chair for his help and guidance during the entire process. Next, we would like to thank SIGMOBILE Treasurer Tracy Camp for her help. Special thanks also go to Ginger Ignatoff, Maritza Nichols, and Adrienne Griscti and their colleagues at ACM Headquarters for their continual help and support. We also thank Kevin Chang, Workshops Local Arrangements Chair, Goce Trajcevski, Local Arrangements Chair, and Lisa Singh, Registration Chair of SIGMOD/PODS 2006, for their invaluable help on many occasions. Finally, we thank SIGMOD Chair Raghu Ramakrishnan and SIGMOBILE Chair David Johnson for their contribution to making MobiDE 2006 a success.

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