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MobiSys'13

Proceedings of the 11th Annual International Conference on Mobile Systems, Applications, and Services

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Welcome from the General Chairs

On behalf of the entire organizing committee, it is our great pleasure to welcome you to the *11th International Conference on Mobile Systems, Applications and Services – MobiSys 2013* in Taipei, Taiwan. This is the first time the conference comes to Asia – marking MobiSys's ambition engaging the talent pool and the thriving mobile industry in the region. Expanded along are a few more 'firsts' in the conference's history: (1) Mobisys'13 is a 3-full-day event for the first time; (2) a panel is assembled, also for the first time, to foster discussions on a rather unusual, but treasured, community value – societal impact; (3) the first ever MobiSys tutorial is a comprehensive walk-through of localization technologies, a hot topic in the circle of start-ups; (4) a video program is installed for, we all know too well, a picture is more than a thousand words; (5) and finally, an exclusive geek's night in the renowned National Palace Museum.

In addition to the regular full paper sessions, this year also sees a high quality adjunct program of videos, demos and posters. To properly reflect the significance of the adjunct program, these submissions see a much tighter integration in the main program, with video presentations interspersed with the technical presentations of the main track, and posters and demos presented at the end of the first day. The workshop program has three workshops that cover exciting topics in mobile cloud computing, vehicular networking and cellular networking. The workshop program also includes a Ph.D. Forum that provides a friendly and supportive environment for doctoral students to present and discuss their dissertation work. Last but not least, Patrick Baudisch's keynote will provide an exciting and stimulating view of the future of mobile interactive devices.

Putting together MobiSys 2013 has been a team effort and we would like to thank a series of people. First of all, as the event coordinator, Patty Teng, has done an outstanding job making everything happen. As the Steering Committee Chair, Victor Bahl has been very supportive in putting the conference together and previous years' chair, Nigel Davies provided important and useful information. We are also very thankful to the people helping organizing the practical matters, including the Local Arrangement Chair Ling-Jyh Chen, the Web Chair Ted Tsung-Te Lai, and the Publicity Chair Kun-Chan Lan. A special thanks goes to the Student Travel Grants Chair, Tamer M. Nadeem for the hard work acquiring funds and making it possible for dozens of students to come to MobiSys'13.

We also want to thank the Technical Program Committee, including the Program Committee Chairs Romit Roy Choudhury and Feng Zhao, the Workshop Chairs Nic Lane and Junehwa Song, the Posters/Demos Chairs Ya-Yunn Su and Joy Ying Zhang, and the Videos Chairs Emiliano Miluzzo and Jitendra Padhye. A special thanks goes to our Publication Chair Shiao-Li (Charles) Tsao for compiling all of the proceedings.

We hope sincerely that you find your curiosity, as well as appetite, satisfied this week in Taipei!

Hao-Hua Chu & Polly Huang
MobiSys 2013 General Co-Chairs
National Taiwan University

Welcome from the Program Co-Chairs

Welcome to *MobiSys 2013: The Eleventh International Conference on Mobile Systems, Applications, and Services*. As the premier forum for presenting the latest research in mobile and wireless systems, this year's conference attracted a record number of 211 submissions, a sign of continuing vibrancy and increasing maturity of our community. In addition to the strong technical program covering virtually every major topic of mobile systems research, we've incorporated a new video program showcasing innovative ideas selected from submissions, and have continued the tradition of having an interactive demo and poster fest.

The Technical Program Committee and Industrial Reviewer Panel are to be lauded for their extraordinary effort in vetting each paper with care during the rigorous review process. Each paper was assigned to three Program Committee members for a first round of reviews. Each of the 211 papers with at least one positive review (weak accept) was assigned two additional reviewers from the Program Committee in the second round. A paper with potential industrial applications was further assigned to an Industrial Reviewer Committee member. In all, the Program Committee members and industrial reviewers generated 866 reviews and the top 60 papers received at least 5 reviews.

The Program Committee met for a full day at Jekyll Island, Georgia, USA. The Committee discussed the top 60 papers and accepted 33 papers for the program. Each of these 33 papers was shepherded by a member of the Program Committee, to ensure that recommendations made by the reviewers and during the Program Committee meeting were satisfactorily addressed.

The resulting technical program is the fruit of labor by many. We want to thank all the authors of submitted papers. We are indebted to the Technical Program Committee and Industry Reviewer Panel for their extraordinary work in reviewing papers and providing feedback for the authors, and the Video Program Committee for reviewing and selecting the short videos.

We hope you will find the program interesting and thought-provoking, and you will take this opportunity to share your ideas while also networking with other researchers and practitioners from around the world.

Romit Roy Choudhury
MobiSys'13 Program Chair
Duke University

Feng Zhao
MobiSys'13 Program Chair
Microsoft Research

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