Message from the Chairs



Welcome to the eighth ACM International Workshop on Mobility in the Evolving Internet Architecture (MobiArch'13) in Miami, Florida! We are delighted to see the workshop has attracted high quality submissions from international researchers in both academia and industry.

This workshop provides the opportunity to participate in the exploration of the state of the art research results on mobility architecture and system support for mobility in the Internet.

With recent developments in wireless access, sensor, and mobile device technologies, the mobility of users, terminals, and networks has become an indispensable component of today's Internet vision. Wireless access devices by far outnumber stationary Internet hosts and an increasing share of traffic traverses at least one wireless link. These trends can be expected to continue in the near future and call for a reexamination of the architectural design of the current and future internets. With recent advances in technologies for wireless access (such as WiFi, 3G, and 4G) and mobile devices (such as smartphones, netbooks, and tablets), mobility has become a fundamental characteristic of today's Internet. Yet, architectural issues related to mobility such as efficient mobility management, the locator-identifier split, multi-homing, security are still not fully explored. Moreover, the Internet architecture itself, its end-to-end principles and business models require rethinking due to the massive penetration of mobility into the Internet.

To meet with these challenges, researchers from a wide range of academic fields, including theory and algorithms, data mining and machine learning, computer systems and networks, statistical physics and complex systems, economics and managerial science, etc. are all actively studying various aspects concerning mobile networks.

This workshop is intended to present such an opportunity and serve as a forum to bring together people from various fields to exchange their latest research results and to discuss new ideas and directions to properly understand these networks.

The technical sessions consist of presentations and discussions of the 8 accepted full papers on a wide variety of issues of mobile networking and architecture research from different angles – be it from computer science, sociology, communications science, complex systems, or economics. These papers were selected from 16 submissions. The selected papers were chosen by a technical program committee (TPC) of 17 experts in various fields. The selection process started shortly after the submission deadline. Each paper was reviewed by at least two independent reviewers, and evaluated based on scientific novelty, technical quality, relevance to the topics, and contribution to the field.

We are most grateful to the TPC members for their efforts in reviewing the submissions. We also appreciate the efforts of numerous outside reviewers who contributed reviews of individual papers at the request of TPC members.

We would like to thank all the authors who submitted papers. We sincerely hope authors find the reviewers' comments helpful. We would also like to thank the EasyChair system for the efficient paper submission and review process. Finally we would like to thank the ACM MobiCom 2013 organizers for their help in supporting the workshop.

We hope all of you enjoy fruitful discussions at MobiArch 2013 and a pleasant time in Miami.

MobiArch 2013 Co-Chairs:
Rittwik Jana, AT&T Labs Research, USA
Ioannis Broustis, AT&T Labs Research, USA
Wenzhong Li, Nanjing University, China