

UBICOMM 2013

Foreword

The Seventh International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM 2013), held between September 29 and October 3, 2013 in Porto, Portugal, continued a series of international events meant to bring together researchers from the academia and practitioners from the industry in order to address fundamentals of ubiquitous systems and the new applications related to them.

The rapid advances in ubiquitous technologies make fruition of more than 35 years of research in distributed computing systems, and more than two decades of mobile computing. The ubiquity vision is becoming a reality. Hardware and software components evolved to deliver functionality under failure-prone environments with limited resources. The advent of web services and the progress on wearable devices, ambient components, user-generated content, mobile communications, and new business models generated new applications and services. The conference made a bridge between issues with software and hardware challenges through mobile communications.

Advances in web services technologies along with their integration into mobility, online and new business models provide a technical infrastructure that enables the progress of mobile services and applications. These include dynamic and on-demand service, context-aware services, and mobile web services. While driving new business models and new online services, particular techniques must be developed for web service composition, web service-driven system design methodology, creation of web services, and on-demand web services.

As mobile and ubiquitous computing becomes a reality, more formal and informal learning will take place out of the confines of the traditional classroom. Two trends converge to make this possible; increasingly powerful cell phones and PDAs, and improved access to wireless broadband. At the same time, due to the increasing complexity, modern learners will need tools that operate in an intuitive manner and are flexibly integrated in the surrounding learning environment.

We take here the opportunity to warmly thank all the members of the UBICOMM 2013 Technical Program Committee, as well as the numerous reviewers. The creation of such a broad and high quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and efforts to contribute to UBICOMM 2013. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

Also, this event could not have been a reality without the support of many individuals, organizations, and sponsors. We are grateful to the members of the UBICOMM 2013 organizing committee for their help in handling the logistics and for their work to make this professional meeting a success.

We hope that UBICOMM 2013 was a successful international forum for the exchange of ideas and results between academia and industry and for the promotion of progress in the field of mobile ubiquitous computing.

We are convinced that the participants found the event useful and communications very open. We hope that Porto, Portugal, provided a pleasant environment during the conference and everyone saved some time to enjoy the charm of the city.

UBICOMM 2013 Chairs:

UBICOMM Advisory Chairs

Jaime Lloret Mauri, Polytechnic University of Valencia, Spain
Sathiamoorthy Manoharan, University of Auckland, New Zealand
Zary Segal, UMBC, USA
Yoshiaki Taniguchi, Osaka University, Japan
Ruay-Shiung Chang, National Dong Hwa University, Taiwan

UBICOMM 2013 Research Chairs

Korbinian Frank, German Aerospace Center - Institute of Communications and Navigation, Germany
Carlo Mastroianni, CNR, Italy
Sergey Balandin , FRUCT, Finland
Juong-Sik Lee, Nokia Research Center - Palo Alto, USA
Ann Gordon-Ross, University of Florida, USA
Michele Ruta, Politecnico di Bari, Italy