Introduction

Eric Fleury, Qi Han, Pedro Marron, and Torben Weis

Topic chairs

The tremendous advances in wireless networks, mobile computing, sensor networks along with the rapid growth of small, portable and powerful computing devices offers opportunities for pervasive computing and communications. Topic 14 deals with cutting-edge research in various aspects related to the theory or practice of mobile computing or wireless and mobile networking, including architectures, algorithms, networks, protocols, modeling and performance, applications, services, and data management.

The accepted papers discuss very interesting issues about wireless ad-hoc networks, mobile telecommunication systems and sensor networks. As a highlight, the paper “FEW Phone File System: Proving Ubiquitous Access to the User’s Data” by João Soares and Nuno Preguiça from CITI / DI/FCT university of Lisbon, deals with the use of multiple computing devices and, more concretely, with the presentation of the FEW phone file system, that allows for the high availability of data across multiple devices. This paper supports beautifully the notion of ubiquitous computing and allows the use of these devices as personal, portable servers with high availability of data and with an automatic synchronization to external data sources that could be in the cloud.

We would like to take the opportunity to thank all authors who submitted a contribution, the Euro-Par Organizing Committee, and all reviewers for their hard and valuable work. Their efforts made this conference and this topic possible.