Proceedings of the

3rd International Workshop on Information Management for Mobile Applications

Message from the Workshop Chairs

The increasing functionality and capacity of mobile devices have enabled new mobile applications which require new approaches for data management. Users want to have a seamless integration of their data on their mobile with other devices, which can be either classical devices such as a desktop PC or other mobile devices. Although the capabilities of mobile devices are growing, their limitations have to be taken into account when designing efficient and effective mobile applications. For example, constraints on energy, CPU power, storage, display size, communication bandwidth, and real-time capabilities have to be considered.

Information management in mobile applications is a complex problem space which requires the consideration of the aforementioned constraints. In addition, mobile data can have various forms, such as sensor data, user profiles & user context, spatial data, and multimedia data. Smartphones, mobile and wearable sensors, and other portable systems are used in various applications to collect, process, and exchange an increasing amount of data. Applications can run on several devices (mobile, PCs, multimedia), but the exchange, the integration, and the querying of data between these devices remains a challenging problem.

The International Workshop on Information Management for Mobile Applications (IMMoA'13) is a continuation of the successful IMMoA and HIMoA workshops in the previous years. It aims at a broad range of mobile application fields: Business, (Serious) Games, Leisure, and Transport. IMMoA'13 was co-located with VLDB 2013 in Riva del Garda, Italy, and provided a forum for discussion about technologies and mechanisms, which support the management of mobile, complex, integrated, distributed, and heterogeneous data-focused applications.

We received about ten high quality submissions of which we could accept six as full papers. The papers have been peer-reviewed by three to four reviewers each. In addition, we had three invited papers and a keynote presentation by Maria Luisa Damiani from the University of Milan on "Moving objects beyond raw and semantic trajectories". The presentations covered topics such as pattern recognition, models for spatio-temporal data, mobile data management in health applications, and videogames to evaluate information management in vehicular networks.

We would like to thank all authors, presenters, and the reviewers for their good work that resulted in a successful workshop. Furthermore, we would like to thank the DFG Research Cluster Ultra High-Speed Mobile Information and Communication (UMIC, http://www.umic.rwth-aachen.de) at RWTH Aachen University, Germany, for their support in organizing this event.

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