IMMoA 2013

3rd International Workshop on

Information Management in Mobile Applications

http://www.dbis.rwth-aachen.de/IMMoA2013

in conjunction with VLDB 2013 (http://www.vldb.org/2013/)

Riva del Garda, Trento, Italy

Monday, August 26, 2013

-- Call for Papers --

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. The previous editions of the workshop were held at VLDB 2012 in Istanbul, Turkey and at MDM 2011 in Lulea, Sweden (HIMoA 2011). The International Workshop on Information Management for Mobile Applications (IMMoA'13) targets to provide a forum for discussion about technologies and mechanisms, which support the management of mobile, complex, integrated, distributed, and heterogeneous data-focused applications.

The list of topics includes, but is not limited to:

* Data management and integration in mobile peer-to-peer networks

* Data stream management in mobile applications/environments

* Data stream mining for mobile applications

* Mobile Cloud Computing

* Mobile Agents and cyber foraging

* Big Data in mobile applications

* Energy-efficient data management in mobile applications

* Data integration in mobile settings

* Semantic data management in mobile applications

* Context-aware mobile computing

* Applications using mobile data management techniques

* Query processing and optimization for mobile systems

* Real-time data processing in mobile applications

* Security and privacy for mobile data management

* Pervasive data management

* Transaction processing in mobile applications

* Expert systems for mobile information systems

* Sensing and acquisition of data in mobile environments

* Data sharing and interoperability in mobile applications

* Managing data intensive mobile applications

* Management and processing of geospatial data

* Mobile health data management and analysis

* Pervasive health systems and services

* Location-based services

* Mobile data management systems and middleware

* Knowledge representation and reasoning in mobile applications

***** Important Dates *****

Deadline for Workshop Papers (Extended): June 17, 2013

Notification of Workshop Papers: July 1, 2013

Deadline for Camera Ready Papers: July 15, 2013

Workshop Date: Monday, August 26, 2013 (pre-conference)

***** Submission Guidelines *****

The page limits for accepted regular workshop papers are 8 pages, including all figures, tables, and references, and 4 pages max for short papers. Papers must be in VLDB format. Templates can be found at http://www.vldb.org/2013/formatting_guidelines.html Submissions in PDF are to be uploaded to the workshop's submission site http://www.dbis.rwth-aachen.de/IMMoA2013/submission.shtml

All submissions must be unique and not have been published already in another context.

***** Workshop Proceedings *****

The proceedings of the workshop will be published online as a volume of the CEUR Workshop Proceedings, ISSN 1613-0073, http://www.ceur-ws.org, a well-known website for publishing workshop proceedings. It is indexed by the major publication portals, such as Citeseer, DBLP, and Google Scholar.

Furthermore, we plan a special issue in a journal on mobile information systems for which the authors of the best papers of the workshop will be invited to submit an extended version of their work. The best papers of the previous edition have been invited to a special issue in the journal on Pervasive and Mobile Computing http://www.journals.elsevier.com/pervasive-and-mobile-computing/call-for-papers/

***** Workshop Organizers *****

Thierry Delot, University of Valenciennes & Inria Lille, France
Sandra Geisler, Information Systems, RWTH Aachen University, Germany
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