The 2016 International Conference on Mobile Data Management (MDM 2016), to be held in Porto, Portugal solicits innovative papers related to industrial applications of mobile data management, examples of novel solutions to real-world problems, complex commercial mobility and data management systems in ubiquitous, mobile, cloud and social computing, individual and aggregated user modeling from mobile data and real-world cases of user-centric, privacy-preserving approaches to mobile data management. In addition, it also solicits submissions on innovative applications and experiences in applying advanced research tools and techniques towards myriad of real-world problems in the MDM area.

Over the last decade, the amount of mobile data available has grown exponentially. Data from mobile users, even when anonymized, is a strategic asset for the companies that collect such data. At the same time, legislation and user expectations raise significant hurdles to the use of the data, which must be met.

The industrial track will focus on the use of data management in mobile systems, including Apache Hadoop, Apache Spark, Apache Flink and other advanced database techniques for data mining; mobile data collection and sensing; applications of data mining such as mobility characterization; individual and aggregated user modeling from mobile data; user, business and legal requirements for anonymization and privacy of mobile data and how to reconcile conflicting requirements; tools and techniques for crawling, processing, visualization and analysis of mobile datasets, and data management issues related to emerging mobile applications like crowdsourcing. We also encourage papers coming out of new mobile service trials, deployment experiences, and real-world lessons.

**Topics of Interest**

Topics of interest include, but are not limited to, the following:

- Mobile social applications and services
- Data management in sensor and mobile ad hoc networks
- Data management in mobile peer-to-peer networks
- Data Management in the Mobile Cloud
- Data mining for mobile applications
- Data stream processing in mobile/sensor networks
- Adaptability and stability of pervasive computing systems
- Context-aware computing and location-based services
- Data replication, migration and dissemination in mobile environments
- OS and middleware for mobile and pervasive computing
- Indexing and query processing for moving objects
- Query processing and optimization for mobile users
- Resource advertising and discovery techniques
- Theoretical foundations of data-intensive mobile computing
- OS and middleware for mobile and pervasive computing
- Security and privacy issues for ubiquitous systems
- Pervasive Data Management
- Transactions and workflows in mobile environments
- Location and Trajectory data management
- Publish/subscribe and Query processing middleware for mobile data
- Mobile Cloud Computing
- Mobile Semantic Data Management
- Human-centric Activity Recognition
- Augmented Reality systems, data issues
- Managing pervasive data, sensor data streams and user devices
- People-centric mobile sensing networks and smart urban spaces
- Management of community sensing/participatory sensing data
- Management of Real-time Data in Converged Networks
- Individual and aggregate user and human behavior modeling from mobile data
- Innovative applications of mobile data to real-world problems

**Important Dates**

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<tr>
<td>Abstract Due</td>
<td>Dec 11, 2015-Dec 22, 2015</td>
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<td>Paper Submission</td>
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<td>Acceptance Notification</td>
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<td>Camera Ready Papers Due</td>
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Submitted papers must be formatted according to the IEEE camera-ready format as mandated by the conference. Details are available at: [http://cmt3.research.microsoft.com/MDMI2016/](http://cmt3.research.microsoft.com/MDMI2016/)

We are accepting two types of papers:

1. Regular papers: These submissions should be no longer than 8 pages.
2. Extended Abstracts: These submissions should be no longer than 4 pages.

**Track Chairs**

Nuria Oliver (Telefonica Research) (nuria.oliver [at] telefonica.com)

Albert Bifet (Telecom ParisTech) (albert.bifet [at] telecom-paristech.fr)