

IEEE MDM 2016: Call for Papers

17th IEEE International Conference on Mobile Data Management

13 – 16 June, 2016, Porto, Portugal

<http://mdmconferences.org/mdm2016/>

The MDM series of conferences, since its debut in December 1999, has established itself as a prestigious forum for the exchange of innovative and significant research results in mobile data management. The term mobile in MDM has been used from the very beginning in a broad sense to encompass all aspects of mobility – aspects related to wireless, portable and tiny devices. The conference provides unique opportunities for researchers, engineers, practitioners, developers, and users to explore new ideas, techniques, and tools, and to exchange experiences.

We invite submissions of original research contributions and industrial papers as well as proposals for demos, panels and workshops.

A number of events (workshop, demos, panels, seminars, PhD forum, and special industrial forum) will be organized to cater for all academic activities, apart from research track activities.

- Workshops are for fast track publications of work-in-progress papers
- Demos will present state of the art systems and prototypes
- Panels will review current research activities and explore new frontiers
- PhD forum is to encourage doctoral student participation
- Industrial forum for companies to present their research and development technologies/systems

Conference Topics

- Mobile Cloud Computing and Data Management in the Mobile Cloud
- Data Management for the Internet of Things (IoT) and Sensor Networks
- Semantic Data Management for Mobile Devices/Applications
- iData Management for Augmented Reality Systems
- iData Management for Emerging Smart Urban Systems – Connected Cars, Intelligent Transportation Systems, Smart Spaces
- Mobile Crowd-Sourcing and Crowd-Sensing
- Data management for Next-Gen Mobile and Ad-Hoc Networks
- Data management for Peer-to-Peer Systems
- Mobile Data Analytics
- Mobile Data and User/Behavioural Understanding
- Mobile Location-Based Social Networks
- Mobile Activity Recognition
- Mobile Situation Inference
- Recommendations for Mobile Users
- Analytics “at-the-edge” and on-board Mobile/Ubiquitous Devices

- Context-aware Computing for Intelligent Mobile Services
- Adaptability of pervasive computing systems
- Stability of pervasive computing systems
- Advanced middleware for mobile and pervasive computing
- Publish/subscribe middleware for mobile data
- Theoretical foundations of data-intensive mobile computing
- Data replication, migration and dissemination in mobile environments
- Data stream processing in mobile/sensor network
- Transactions and workflows in mobile environments I
- Indexing, Optimisation and Query Processing for moving objects/users
- Mobile Trajectory Analytics – Discovery, Next-Place, and Linking
- Location-Based Services
- Resource advertising and discovery techniques
- Security and privacy issues for mobile and ubiquitous systems

Important Dates

Abstract Due	Dec 11, 2015
Paper Submission	Dec 18, 2015
Acceptance Notification	Feb 18, 2016
Camera Ready Papers Due	March 31, 2016

PC Co-Chairs

Mohamed Medhat Gaber (Robert Gordon University), UK

Shonali Krishnaswamy (Institute for Infocomm Research), Singapore

Cyrus Shahabi (University of Southern California), USA

Members of the Programme Committee