

Workshop on Cloud Data Management (CloudDM)

Helsinki, Finland

May 16, 2016

In conjunction with the IEEE International Conference on
Data Engineering (ICDE) 2016

Barzan Mozafari and Ippokratis Pandis
(Co-Chairs and Editors)

FOREWORD

This one-day workshop aims to bring researchers and practitioners in cloud computing and data management systems together to discuss the research issues at the intersection of those areas, share experiences building and managing cloud-scale data management services, and also to draw more attention from the larger data management research community to this highly promising field.

Topics of Interest

The theme of the CloudDM workshop is to address the challenges of big data management in a cloud computing environment. This workshop welcomes papers that address fundamental research issues in this challenging area, and especially encourages reports on system level research related to cloud computing and data-intensive computing. We also welcome papers on personal and social applications of cloud-based data management. Topics of interest include, but not limited to:

- Cloud computing infrastructure for big data storage and computing
- Cloud privacy and security
- Distributed processing of streaming data
- Cloud data management for mobile applications
- Cloud-based real-time analytics
- Cloud-based system designs including architecture, scalability, economy, consistence-availability-partition (CAP), transactions, and security
- Services discovery and content distribution in cloud computing infrastructures
- Cross-platform interoperability
- Query processing and indexing in cloud computing systems
- Access control in cloud computing systems
- Service-level agreements, business models, and pricing policies
- Novel data-intensive computing applications
- Language for massively parallel query execution
- Data intensive scalable computing
- Content distribution systems for big data
- Data management within and across data centers
- Large-scale analytical methodology and algorithm

ORGANIZERS

Workshop Co-Chairs

- **Barzan Mozafari**, University of Michigan, Ann Arbor
- **Ippokratis Pandis**, Amazon Web Services

Program Committee

- **Ben Chin Ooi** (NUS)
- **Vivek Narasayya** (Microsoft Azure)
- **Shimin Chen** (Chinese Academy of Sciences)
- **Hakan Hacigumus** (Google)
- **Amr El Abbadi** (UCSB)
- **Carlo Curino** (Microsoft CISL)
- **Rajkumar Sen** (Oracle)
- **Bin Cui** (Peking University)
- **Eugene Wu** (Columbia University)
- **Tyson Condie** (UCLA)

INVITED SPEAKERS

Surajit Chaudhuri

Distinguished Scientist and managing director of XCG, Microsoft Research

Sailesh Krishnamurthy

Senior Engineering Manager, Aurora, Amazon Web Services

Bill Howe

Associate Director, eScience Institute, University of Washington