

Call for Papers: Workshop on Methods to Manage Heterogeneous Big Data and Polystore Databases

Co-located with 2016 IEEE International Conference on Big Data
December 5-8, 2016 @ Washington DC, USA

Important Dates

October 10, 2016: Full workshop papers submission deadline

November 1, 2016: Notification of paper acceptance to authors

November 15, 2016: Camera-ready of accepted papers

December 5-8, 2016: Workshops Dates

Program Chairs:

Michael Stonebraker, MIT
Tim Mattson, Intel
Vijay Gadepally, MIT

PC Members:

Magdalena Balazinska, UW
Sterling Foster, DoD
Bill Howe, UW
Tim Kraska, Brown
Jeremy Kepner, MIT
Sam Madden, MIT
David Maier, PSU
Stavros Papadopoulos, Intel/MIT

Keynote Addresses:

Dr. Luna Dong, Google
Dr. Fatma Ozcan, IBM

Overview:

Enterprises today are faced with the challenge of providing data management solutions for large, heterogeneous datasets that are often the amalgamation of disparate data and programming models. Developing analytics that can use the content of such datasets requires solutions that leverage many "sizes."

In this workshop, we will bring together experts in the field to discuss how novel techniques for managing heterogeneous data such as polystore databases can be applied to highly diverse datasets.

Research topics included in workshop:

- New Computational Models for Big Data
- Languages/Models for integrating disparate data such as graphs, arrays, relations
- Query evaluation and optimization in federated or polystore systems
- Efficient data movement and scheduling, failures and recovery for polystore analytics
- High Performance/Parallel Computing Platforms for Big Data
- Integration of HPC and Big Data platforms
- Data Acquisition, Integration, Cleaning, and Best Practices
- Complex Big Data Applications in Science, Engineering, Medicine, Healthcare, Finance, Business, Transportation, Retailing, Telecommunication, Government and Defense applications

Submission Instructions:

Submitted papers should follow the IEEE official template. Maximum paper length allowed is 10 pages, though shorter papers are encouraged and welcome.

Website:

<https://goo.gl/oLFR1F>

Contact:

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