

Preface

Big Data Mining (KDD BigMine-19)

The 8th International Workshop on Big Data on Streams and Heterogeneous Source Mining

Conference Dates: August 4-8, 2019

Workshop Date: Aug 5, 2019

Anchorage, Alaska - USA

<https://bigmine.github.io/bigmine19/>

Workshop Chairs

- Albert Bifet, Telecom ParisTech;
- Michele Berlingerio, Eaton, Dublin, Ireland;
- João Gama, University of Porto, Porto, Portugal;
- Jesse Read, cole Polytechnique, Paris, France;
- Eugene Ryan, Eaton, Dublin, Ireland

Publicity Chair

- Carlos Abreu Ferreira, University of Porto, Porto, Portugal

Steering Committee

- Wei Fan, Tencent;
- Albert Bifet, Telecom ParisTech;
- Philip Yu, University of Illinois at Chicago;
- Qiang Yang, Hong Kong University of Science and Technology

Scope

The goal of the workshop is to provide a forum to discuss important research questions and practical challenges in big data mining and related areas. Novel ideas, controversial issues, open problems and comparisons of competing approaches are strongly encouraged. Representation of alternative viewpoints and discussions are also strongly encouraged.

We invite submission of papers describing innovative research on all aspects of big data mining. Work-in-progress papers, demos, and visionary papers are also welcome.

Papers emphasizing theoretical foundations, algorithms, systems, applications, language issues, data storage and access, architecture are particularly encouraged.

Topics

Examples of topics of interest include:

- Scalable, Distributed and Parallel Algorithms;
- Designing light-weighted data mining algorithm;
- New Programming Model for Large Data beyond Hadoop/MapReduce, STORM, streaming languages;
- Federated training using data from multiple devices;
- Mining Algorithms of Data in non-traditional formats (unstructured, semi-structured);
- Applications: social media, Internet of Things, Smart Grid, Smart Transportation Systems;
- Streaming Data Processing;
- Heterogeneous Sources and Format Mining;
- Privacy issues of on-device user data;
- Systems Issues related to large datasets: clouds, streaming system, architecture, and issues beyond cloud and streams;
- System and platform for on-device learning;
- Interfaces to database systems and analytics;
- Evaluation Technologies;
- Integrating the design of human computer interaction with machine learning algorithms;

- Visualization for Big Data;
 - Applications: Large scale recommendation systems, social media systems, social network systems, scientific data mining, environmental, urban and other large data mining applications.
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