

Title:

Cloud-based Big Data Analytics and Applications

Abstract:

Big data and Cloud computing become hot topics in recent years with rapid development of cutting-edge technologies on modern communication and computational methods. By the advent of big data, cloud computing as the representative of technological innovation is being setting off a wave of reform in many areas, and will gradually create a novel prototype for the life of human beings.

Scope and Topics:

This workshop is devoted to addressing topics in cloud-based big data analytics and their applications. We intend to bring together researchers, practitioners, developers, and users who are interested in these fields to explore new ideas, techniques, and tools, as well as to exchange relevant experiences. We are soliciting novel and original research contributions related to Cloud-based Big Data Analytics and applications. Papers can be from any of the following areas, including but not limited to:

- ✧ Foundational Models for Big Data
- ✧ Big Data Applications
- ✧ Big Data visualization
- ✧ Big Data Management
- ✧ Machine learning based on Big Data
- ✧ Big Data and Cloud for Improving Resilient Infrastructure
- ✧ Big Data Search Architectures, Scalability and Efficiency
- ✧ Cloud Data Management and Storage
- ✧ Cloud and Big Data for Internet of Things
- ✧ Cloud Computing Architecture
- ✧ Hybrid Cloud

Program Committee Chairs:

HaiYang You, Institute of Computing Technology, Chinese Academy of Sciences, China.

youhaihang@ict.ac.cn

Haihang You is a professor at Institute of Computing Technology, Chinese Academy of Sciences. Prior joining ICT, Prof. You was research scientist at National Institute of Computational Sciences at Oak Ridge National Laboratory and Innovative Computing Laboratory at University of Tennessee. Prof. You's research interest is in

the field of high performance computing and high throughput computing, specifically parallel algorithm, numerical algorithm, performance optimization and autotuning.

Xiaodong Liu, School of Computing, Edinburgh Napier University, UK.

x.liu@napier.ac.uk

Dr. Xiaodong Liu is currently a professor leading the Software Systems research group in the IIDI, Edinburgh Napier University. He was the director of Centre for Information & Software Systems. He is an active researcher in Software Engineering with internationally excellent reputation and leading expertise in Context-aware Adaptive Services, Service Evolution, Mobile Clouds, Pervasive Computing, Software Reuse, and Green Software Engineering.

Program Committee:

Huaiguang Wu, Zhengzhou University of Light Industry, China

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