

**Title:**

International Workshop on Big Data and Data Analysis

Abstract:

Big Data addresses the challenge to store, search, share, learn, and analyze massive datasets in forms of structured or unstructured data. The effective process, learn, and analysis of the Big Data has been evidenced for bringing us substantial commercial benefits for a variety of applications. The open issues include Big Data-inspired computing, networks, systems, learning, and applications. This workshop aims to provide an informative forum for discussions and presentation of new ideas and research results on the broad topics of Big Data Research, Development, and Applications.

Scope and Topics:

Potential topics include but are not limited to:

- ✧ Theoretical and Computational Models for Big Data
- ✧ Architectures and Designs of Big Data Processing Systems
- ✧ Machine Learning Theory for Big Data
- ✧ Big Data Streaming Platforms for real-time data analytics
- ✧ Cloud Computing for Big Data
- ✧ High Performance Platforms for Big Data
- ✧ System Architectures, Platforms, Design, and Deployment for Big Data
- ✧ Energy-efficient Computing for Big Data
- ✧ Advanced Database and Web Applications for Big Data
- ✧ Data Model and Structure for Big Data
- ✧ Data Preservation and Provenance
- ✧ Data Management for Mobile, Pervasive and Grid Computing
- ✧ Scientific and Social Data Management and Workflow Optimization
- ✧ Big Data Search Architecture, Scalability, and Efficiency
- ✧ Algorithms and Architectures for Big Data Search, Mining and Processing
- ✧ Search, Store and Process Big Data in Distributed, Grid and Cloud Systems
- ✧ High Performance and Efficiency Data Cryptography
- ✧ Privacy Threats Analysis for Big Data Systems
- ✧ Trust, Reputation and Recommendation Systems for Big Data Systems



Program Committee Chairs:

Dr Ning Cao, Massey University, New Zealand

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Ning Cao is an researcher at Massey University. He received his B.S. degree from Harbin Institute of Technology in Software Engineering in 2008, and his Ph.D degree from University College Dublin in Computer Science in 2015. His research interests include IoT, wireless sensor networks, cyber security. Up to date, he has published over 100 papers.

Prof Yongbin Zhao, Shijiazhuang Tiedao University, China

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Yongbin Zhao received the B.S. degree in Mathematics from University of Electronic Science and Technology of China, Chengdu, China in 1995, received the M.S. degree in Mathematics and Ph.D. from Xidian University, Xi'an, China, in 2006 and 2014 respectively. He is currently working as associate professor in School of Information Science and Technology, Shijiazhuang Tiedao University. He has published more than 20 technical papers in international journals and conference proceedings. His current research interests include cryptography, algorithm design and IoT.

Dr Cezhong Tong, Washington University in St.Louis,

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Cezhong Tong is currently working as a visiting scholar at Washington University in St.Louis. He is working as a research fellow. He obtained his Ph.D from Tianjin University in 2013. He has published some 20 technical papers in SCI journals. His research interests include: Pure Mathematics, data analysis

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