

CONFERENCE PROGRAM

Tuesday, 27 MAY (Multifunctional Hall)

Welcome Address Chair: Yong Shi

8:30-8:45	Siwei Cheng, Professor	Director of Research Center on Fictitious Economy and Data Science, Chinese Academy of Sciences
	Yueliang Wu, Member of CAS	Vice President of University of Chinese Academy of Sciences

Plenary Speeches Chair: Yong Shi

TIME	NAME	AFFILIATION	TITLE
8:45-9:15	Siwei Cheng	Research Center on Fictitious Economy and Data Science, CAS	A Deep Thinking about Big Data
9:15-9:45	Zongben Xu	Academician of the CAS, Xi'an Jiaotong University	Exploring Big Data Analysis and Key Scientific Problems of Big Data
9:45-10:15	Philip S. Yu	University of Illinois at Chicago	On Mining Big Data
10:15-10:30	Tea Break (15 mins)		
10:30-11:00	Peizhuang Wang	Liaoning Technical University	Factor Spaces and Its Principle for Structure of Big Data Bases
11:00-11:30	Shouyang Wang	Academy of Mathematics and Systems Science, CAS	TEI@I Methodology and Applications to Economic Analysis and Forecasting
11:30-12:00	Xueqi Cheng	Institute of Computing Technology, CAS	Big Data: Facing the Complexities

Keynote Speeches Chairs: Yangyong Zhu, Chengqi Zhang

13:30-13:50	Jeffrey Xu Yu	The Chinese University of Hong Kong, China	Random-walk Domination in Large Graphs
13:50-14:10	Wenxue Huang	Guangzhou University	Compatible Targeting Performance Measures for Mixed-type Data
14:10-14:30	Wei Wang	University of California at Los Angeles	Graph based Analytics
14:30-14:50	Xiaojun Chen	The Hong Kong Polytechnic University	Nonconvex Regularized Optimization for Sparse Approximations
14:50-15:10	Jiming Liu	Hong Kong Baptist University, China	Big Data Analytics and Modeling for Healthcare
15:10-15:25	Tea Break (15 mins)		
15:25-15:45	Hui Xiong	Rutgers, The State University of New Jersey, USA	Ranking Fraud Detection for Mobile Apps: A Holistic View
15:45-16:05	Yanchun Zhang	Victoria University, Australia	Medical Big Data: Medical Data Mining and Innovative Applications
16:05-16:25	Zhenyuan Wang	University of Nebraska at Omaha, USA	Ranking and Total Ordering for Fuzzy Data
16:25-16:45	Xiaohui Liu	Brunel University, UK	Intelligent Data Analysis: From Mining to Science
16:45-17:05	Qing He	Institute of Computing Technology, CAS	Machine Learning Algorithm Based on Hypersurfaces
17:05-17:25	Yong Shi	Research Center on Fictitious Economy & Data Science, CAS	Big Data Analytics and Data Science

Wednesday, 28 MAY (Multifunctional Hall)			
Keynote Speeches Chairs: Tiande Guo, Qingming Huang			
TIME	NAME	AFFILIATION	TITLE
8:30-8:50	Ning Zhong	Maebashi Institute of Technology, Japan	Brain Informatics: Brain Big Data Computing and Health Studies
8:50-9:10	Xingquan Zhu	Florida Atlantic University	Hashing for Big Data Mining
9:10-9:30	Yangyong Zhu	Fudan University	Training Data Scientists
9:30-9:50	Minghe Sun	The University of Texas at San Antonio, USA	Ensemble Learning for Cross-Selling Using Multitype Multiway Data
9:50-10:05	Tea Break (15 mins)		
10:05-10:25	Wei Huang	Ohio University, USA	Big data research in business application: Some thoughts
10:25-10:45	Qingming Huang	University of Chinese Academy of Sciences	Heterogeneous Information Modeling towards Multimedia Knowledge Discovery
10:45-11:05	Tiande Guo	University of Chinese Academy of Sciences	Storage and Automatic Recognition Techniques for Big Data of Fingerprint
11:05-11:25	Benfu Lv	University of Chinese Academy of Sciences	Ten rules of data analyst
11:25-11:45	Xiaoyu Yin	Xinhua News Agency	Big data technology for the financial information service
11:45-12:05	Shicong Feng	Miaozhen Systems	Representative Big Data Applications in Digital Marketing
13:30-15:00	Panel Discussion: Data Science and Education (Multifunctional Hall) Chairs: Yangong Zhu, Mingmin Chi, Jeffrey X. Yu, Ying Liu, Hui Xiong, Philip S Yu		
	Panel Discussion: Data Science and Financial Applications (Xinhua 08) (Conference Room 7) Chairs: Yong Shi, Xiaojun Chen, Xiaohui Liu, Yingjie Tian, Jianping Li, Xiaoyu Yin, Jinjin Cai		
15:00-15:10	Tea Break (10 mins)		
15:10-17:00	Workshop: Scientific Big Data and Applications Chairs: Guoqing Li and Juncai Ma (Multifunctional Hall)		
	NAME	AFFILIATION	TITLE
	Li Guoqing	Institute of Remote Sensing and Digital Earth, CAS	Big Data Brings Challenge and Opportunities for Earth Observation
	Zheping Xu	Institute of Botany, CAS	Biodiversity Information in Asia: from scattered, integrated to beautiful
	Juncai Ma	Institute of Microbiology, CAS	Toward the global cooperation on the big data of microorganisms
	Gang Chen	Institute of High Energy Physics, CAS	Data Challenge in High Energy Physics
	Ziming Zou	National Space Science Center, CAS	Data Application Environment on Space Science: A Review of Demand and Key Technology
	Danhui Guo	Computer Network Information Center, CAS	Exploratory Visual Analytics Platform for Big Spatio-Temporal Data
	Contributed Session: Research Problems in Data Science Chairs: Ying Liu (Conference Room 7)		
	NAME	TITLE	
	Zhuofan Yang	Website Quality and Profitability Evaluation in Ecommerce Firms Using Two-stage DEA Model	
	Yibing Chen	How the Market Judges Bank Risk? An Empirical Comparison between US and China	
	Danyang Du	Survey on the Applications of Big Data in Chinese Real Estate Enterprise	
	Feng Liu	Research on the Neurology-based Internet Architecture	
	Gege Zhang	Economic Regionalization Based On Order-Preserving Submatrix	
	Zhicheng Liao	When a Classifier Meets More Data	
	Hong Liu	Philosophical Reflections on Data	
Zhongya Wang	A CUDA-enabled Parallel Implementation of Collaborative Filtering		
Wenxue Huang	Supervised Discretization for Optimal Prediction		
Chuan Zhou	A Note on Influence Maximization in Social Networks from Local to Global and Beyond		
Shuang Yang	Framework Formation of Financial Data Classification Standard in the era of the Big Data		