

Workshop on Internet and BigData Finance (WIBF)

City University of Hong Kong
June 7th, 2014

In a 2013 study, IBM found that 71 percent of the banking and financial firms report that the use of big data and Internet analytics is creating a competitive advantage for their organizations, a 97 percent increase in just two years. Big data and Internet analytics are especially promising and differentiating for financial service companies as data is one of arguably their most important assets in financial services. The question for many of the financial firms is how to harvest and leverage big data and Internet analytics to gain a competitive advantage. This workshop provides a forum on research and applications of Internet finance enabled by big data. We solicit research and industrial papers that present fresh innovative ideas and insights in new applications and frameworks transforming the way financial services are offered in the Internet age.

In 2013, many new ventures have been launched such as Alibaba's Yuebao, Tencent's WeChat payment, and a joint venture by the three Ma's on Internet Insurance. This workshop will foster collaboration between academia and practices. For this purpose, this work will organize a couple of panels on active topics in Internet Finance such as "Internet-enable Innovations in Financial Services"

This workshop will be hosted by City University of Hong Kong and sponsored by China Quantitative Investment Research Institute, Southwest University of Finance and Economics, South University of Science and Technology of China, Tsinghua University and University of Zurich.

The following topics are suggested (but not limited to):

- Best financial practices in big data implementation
- Big data for corporate finance
- Big data for financial risk management
- Big data for portfolio analysis
- Big data visualization for finance
- Bitcoin and virtual money
- Complex analytics in big data
- Data quality for complex financial applications
- Detecting abnormality in big data
- Fraud detection in big data
- Integration of structured and unstructured financial data
- Internet insurance
- Mobile payment technologies
- Network analytics in finance

- Scalable cloud data for finance
- Security control in big data finance

Selected papers from the Workshop will be recommended to Big Data Research, Financial Innovation and China Finance Review for special issue or fast-track review.

Virtual Conference Attendance available in WIBF

- 1) People, who want to submit a paper but will not be able to be present at the workshop physically due to various reasons, can submit papers for review with virtual attendance specified explicitly in the title page of submission.
- 2) These authors must submit a PPT and a presentation video (limited to 10 MB with required video formats) that will be posted at the workshop website.
- 3) The authors need to answer questions on the workshop discussion space linked to each paper one week before, during, and one week after the workshop.
- 4) Authors of virtual attendance will be given 50% discount of conference fees.
- 5) Papers from virtual attendees will be included in the workshop proceedings one week after the workshop and may be qualified for selection for fast track to special issues

Honorarium Co-Chairs:

Weber, Bruce, University of Delaware
 Yan, Houmin, City University of Hong Kong

Conference Advisors:

Bai, Chengyu, China International Center for Economic and Technical Exchanges
 Chen, Bintong, University of Delaware
 Chen, Jing, China Financial Information Industry Alliance
 Cou, Gang, Southwest University of Finance and Economics
 Hu, Xiaoming, Alibaba
 Jiang, Qiping, Chinese Academy of Sciences
 Kauffman, Robert, Singapore Management University
 Lai, K.K., City University of Hong Kong
 Liang, Chunxiao, Alibaba
 Liao, Li, Tsinghua University
 Lin, Jianwu, China Quantitative Finance Research Institute
 Liu, Ying, Tsinghua University
 Shi, Yong, Research Institute of Automation, China Academy of Science

Tang, Ning, CreditEase
Wang, Huaqing, South University of Science and Technology
Wei, John, Hong Kong University of Science and Technology
Westland, Christ, University of Illinois at Chicago
Zhang, Joyce, CreditEase
Zhang, Ping, Tencent

Workshop Co-Chairs:

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Wong, Michael, City University of Hong Kong
Zhao, J. Leon, City University of Hong Kong

Program Co-Chairs:

Hu, Daning, University of Zurich
Lau, Raymond, City University of Hong Kong
Zhou, Kaiguo, Sun Yat Sen University

Workshop Committee Members:

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Wang, Chung-Ching, University of Central Florida
Wu, Hengyu, Southwestern University of Finance and Economics
Wu, Qing, Development Research Center of the State Council of PRC

Xu, Weihong, Southwest Securities
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Ye, Qiang, Harbin University of Institute
Ye, Yunming, Harbin Institute of Technology
Yu, Yong, Pingan Bank
Yue, Aden, Tencent
Zhang, Kunpeng, University of Illinois at Chicago
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Zheng, Eric, University of Texas at Dallas
Zheng, Xiaolin, Zhejiang University
Zhou, Yong, Institute of Applied Mathematics, CAS
Zhu, Jianming, Central University of Finance and Economics

Format of submission is found at (<http://epic.is.cityu.edu.hk/wibf/>).

Submitted papers are required to use single-spaced, Times New Roman, 12-point font, 1" margins on all sides, and A4-size format. The maximum number of pages (including tables, figures, and references) are limited to 5 pages for academic papers and 3 pages for industrial papers.