

# The ACM Turing 50th Celebration Conference - China

## ACM TURC 2017

May 12 - 14, 2016, Shanghai, China

Website: <http://china.acm.org/TURC/2017/cfp.html>

The ACM Turing 50th Celebration Conference - China (ACM 图灵奖五十年中国大会) will be held in the magnificent city of Shanghai, China, 12-14 May, 2017. This year we aim at addressing a key theme on “Trustworthy Network Big Data”. This conference will feature world-class plenary speakers, major technical symposia, industry forum and workshops. We invite the submission of posters for presentation and publication in the conference proceedings. The poster session solicits novel works on a broad range of topics Big Data, including but not limited to the following areas.

- Big Data Science and Foundations
  - a. Novel Theoretical Models for Big Data
  - b. New Computational Models for Big Data
  - c. Data and Information Quality for Big Data
  - d. New Data Standards
- Big Data Infrastructure
  - a. Cloud/Grid/Stream Computing for Big Data
  - b. High Performance/Parallel Computing Platforms for Big Data
  - c. Autonomic Computing and Cyber-infrastructure, System Architectures, Design and Deployment
  - d. Energy-efficient Computing for Big Data
  - e. Programming Models and Environments for Cluster, Cloud, and Grid Computing to Support Big Data
  - f. Software Techniques and Architectures in Cloud/Grid/Stream Computing
  - g. Big Data Open Platforms
  - h. New Programming Models for Big Data beyond Hadoop/ MapReduce, STORM
  - i. Software Systems to Support Big Data Computing
- Big Data Management
  - a. Search and Mining of variety of data including scientific and engineering, social, sensor/IoT /IoE, and multimedia data
  - b. Algorithms and Systems for Big Data Search
  - c. Distributed, and Peer-to-peer Search
  - d. Big Data Search Architectures, Scalability and Efficiency
  - e. Data Acquisition, Integration, Cleaning, and Best Practices
  - f. Visualization Analytics for Big Data
  - g. Computational Modeling and Data Integration

- h. Large-scale Recommendation Systems and Social Media Systems
- i. Cloud/Grid/Stream Data Mining- Big Velocity Data
- j. Link and Graph Mining
- k. Semantic-based Data Mining and Data Pre-processing
- l. Mobility and Big Data
- m. Multimedia and Multi-structured Data- Big Variety Data
- Big Data Search and Mining
  - a. Social Web Search and Mining
  - b. Web Search
  - c. Algorithms and Systems for Big Data Search
  - d. Distributed, and Peer-to-peer Search
  - e. Big Data Search Architectures, Scalability and Efficiency
  - f. Data Acquisition, Integration, Cleaning, and Best Practices
  - g. Visualization Analytics for Big Data
  - h. Computational Modeling and Data Integration
  - i. Large-scale Recommendation Systems and Social Media Systems
  - j. Cloud/Grid/Stream Data Mining- Big Velocity Data
  - k. Link and Graph Mining
  - l. Semantic-based Data Mining and Data Pre-processing
  - m. Mobility and Big Data
  - n. Multimedia and Multi-structured Data- Big Variety Data
- Big Data Security & Privacy
  - a. Intrusion Detection for Gigabit Networks
  - b. Anomaly and APT Detection in Very Large Scale Systems
  - c. High Performance Cryptography
  - d. Visualizing Large Scale Security Data
  - e. Threat Detection using Big Data Analytics
  - f. Privacy Threats of Big Data
  - g. Privacy Preserving Big Data Collection/Analytics
  - h. HCI Challenges for Big Data Security & Privacy
  - i. User Studies for any of the above
  - j. Sociological Aspects of Big Data Privacy
- Big Data Applications
  - a. Complex Big Data Applications in Science, Engineering, Medicine, Healthcare, Finance, Business, Law, Education, Transportation, Retailing, Telecommunication
  - b. Big Data Analytics in Small Business Enterprises (SMEs)
  - c. Big Data Analytics in Government, Public Sector and Society in General
  - d. Real-life Case Studies of Value Creation through Big Data Analytics
  - e. Big Data as a Service
  - f. Big Data Industry Standards
  - g. Experiences with Big Data Project Deployments

Industry Track

- Applications of Big Data
- Applications of Artificial Intelligence

**Important Dates**

Poster Submission Due: March 8, 2017  
Acceptance Notification: March 15, 2017  
Camera Ready Due: March 30, 2017

**Submission guidelines:**

Submissions must include abstract, keywords, the e-mail address of the corresponding author and should not exceed one page, including tables and figures in ACM format. Templates for the standard ACM format can be found at:  
<http://www.acm.org/publications/proceedings-template>

Please submit your poster to Fan Wu ([fwu@cs.sjtu.edu.cn](mailto:fwu@cs.sjtu.edu.cn)).

**ACM TURC 2017 Poster Chairs:**

Fan Wu (Shanghai Jiao Tong University)  
Lin Cui (Tsinghua University)  
Fan Li (Beijing Institute of Technology)