

# The 2016 International Conference on Smart X

(Smart X 2016)

July 29 - 31 | Dalian, China

## Call for Papers:

The rapid development of information technology and computer science takes human society toward smart environments. In the smart environments, anything that can assist to solve the current challenges in business, industry, science, daily life etc., can refer to 'Smart X'. Smart X includes smart city, smart home, smart grids, smart building, smart forest, smart geosciences, and smart computing, etc. Smart X can help human in various dimensions, e.g., better living with better resources, faster and better decision making, more precise future predicting, and quicker response making to challenges in surrounding environments and so on. However, how to implement Smart X? Today, smart techniques, together with the advances in big data and high-performance computing power, offer us big opportunities and transformative potential for intelligent decisions and predictive services. The major challenges we are facing involves extracting valuable knowledge from big data i.e. smart data for smart X, studying creative computing theories and techniques for Smart X, and designing dynamic and globally cooperative infrastructure built upon Smart X. Smart X also leads to a dramatic paradigm shift in our scientific research towards smart-driven computing.

The goal of this conference is to promote community-wide discussion identifying the novel technologies and theories for Smart X and Big Data. We seek submissions which invent new techniques, introduce new methodologies, propose new research directions and discuss approaches for unsolved issues. Topics of interest include, but are not limited to:

- Cognitive computing
- Smart information processing
- Smart transportation
- Data-driven smart city
- Health informatics in smart cities
- Internet of things in smart environments
- Social networking in smart environments
- Technologies and applications in smart forest
- Technologies and applications in smart grids
- Smart geosciences
- Smart multimedia services
- Smart spaces
- Predictive analytic
- High performance computing
- Deep learning
- Multimodal, multi-instance learning
- Brain-inspired computing
- Semantic technologies
- Knowledge graphs
- Deep reasoning in smart X
- Big data and smart data applications
- Handling uncertainty and incompleteness in big data
- Smart data mining
- Data intelligence
- Security, privacy and trust in big data

All accepted papers will be published in the SCI-indexed journal "Mobile Information Systems", "Sustainability" or EI-indexed journal "International Journal of Computational Science and Engineering", "International Journal Distributed Systems Technologies" or Elsevier "Journal of Industrial Information Integration".

### Important Dates:

Paper submission due: ~~June 15, 2016~~ June 30, 2016 (Extended)

Notification of acceptance: July 15, 2016

Registration due: July 20, 2016

