

## **Information Retrieval in Big Data Era: Visions and Challenges**

The information retrieval can be traced back to the ancient time when using the smoke to deliver the message or warnings to the villages, and then moving to the modern technologies, wire phones, satellite, smartphones, Internet, World Wide Web, so on so forth. What are the next? This talk will present the research background in response technology and data communications in wire and wireless network with data context in terms of volume, velocity, varieties and validity; infrastructures, environments, complexity including multiple links and sources; essential facing problems in data streaming in multidisciplinary applications; the innovative approaches; the impact on the real world; open the questions to new challenges for the next generation's information retrieval.