



# The 1st International Conference on Big Data and Security

Nanjing, China • December 20-22, 2019



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## Workshop

### Title:

Big Data and Deep Learning in Network, security and privacy,  
Multimedia Application

### Abstract:

Big Data and Deep Learning approaches has impact the research for network, security and privacy, complex network analysis, evolution computation, image processing, virtual simulation, 3D stereo vision, computer vision. With the processing of large amounts of data, deep learning technology can exploit some inherent regularities, find the implied relationship among data meta. However optimization objectives, constraints, and problem formulations solved by big data and deep learning differ from traditional existing approaches, which lead to a lot of research challenges. The core of this workshop includes all of these challenges.

### Scope and Topics:

The aims of this special session on Big Data and Deep Learning in Network, security and privacy, Multimedia Application are to bring an opportunity for academia researchers and industry partners to meet together and exchange ideas on recent research and future directions for the applications of big data and deep learning methods in these fields. This workshop solicits original research papers that address the following non-exhaustive list of topics:

- Big data analysis for information security



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- Including but not limited to data-driven research for evolution computation based on big data
  - Deep learning for IoT security
  - Machine learning and big data analysis for social networks and complex network analysis.
  - Deep learning and machine learning for computer vision.
  - Artificial intelligence and 3D stereo vision.
  - Artificial intelligence for image processing and virtual simulation,
  - Machine learning for human activity recognition, object detection

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