

Explosive data growth is a reality and the trajectory is continuing to be strong. Big Data is an emerging area dealing with capture, storage, search, sharing, transfer, analysis, and visualization on large and complex data sets that are difficult to process within a tolerable elapsed time. Big Data is transforming science, engineering, healthcare, finance, public safety, and ultimately our society itself.

Networking is a key component to support capturing, storing, processing, analyzing and extracting sheer amount of data from widely distributed database systems, millions of end-user devices, or sensors. As the volume, velocity and variety of data traffic travelling on networks rises at an exponential rate, we are facing great challenges to design and develop new networking architecture and technologies to support scalable real-time or near real-time Big Data analysis and applications.

This track invites contributions addressing networking issues of Big Data covering network performance of Big Data transportation, energy efficiency and sustainability of Big Data, distributed Big Data analytics and retrieval, network security and privacy of Big Data, and etc.

Topics of interest include, but are not limited to:

- Cyber-infrastructure design and development for Big Data
- Energy efficiency and sustainability of Big Data networking
- Network resiliency and availability for Big Data
- Mobile networking and computing for Big Data
- Parallel and distributed algorithms for Big Data
- Software-defined network for Big Data
- Data migration, backup, and synchronization for Big Data
- Access control and network resource allocation for Big Data
- Network security, privacy and trust in Big Data
- Network forensics and provenance of Big Data
- Network performance analysis and management in Big Data
- Wireless networking and dynamic spectrum access for Big Data