Internet of Things (IoT), Ubiquitous Computing and Big Data

Nowadays, because of the growth of smart devices, embedded and ubiquitous communication technologies and combined with cyber world to provide many smart services, the Internet of Things (IoT) became more important to the real world and became a leading technology widely deployed in many areas, including industry, transportation, healthcare and wellbeing applications, energy, home and environmental monitoring... IoT provides a value-added service that allows users to easily monitor their environment and help them make right decisions. The Internet of Things is likely to improve people's quality of life, create new markets and opportunities, increase economic growth and stimulate competition. Many research efforts focus on collecting and processing data from different connected things. Others have proposed novel processing and communication architectures, technologies and management strategies. IoT systems can leverage wireless sensor networks to collect and process data and use cloud technologies, peer-to-peer systems, and big data paradigms to provide computing and analytics capabilities. Many of the IoT systems and technologies are relatively novel. There are still many untapped applications areas, numerous technical challenges and issues that need to be improved and broadly explored.

The main scope of this special track is the convergence of IoT and big data technologies, and aims at bringing together researchers and practitioners working in IoT in order to present, discuss and share original research works and practical experiences, and provide the latest and most innovative contributions.

The Track welcomes submissions related to the practical and theoretical issues related to developing and deploying such systems. The main topics include but are not limited to:

- IoT and big data platform architecture
- IoT and big data analytics
- IoT Applications, Services, and Implementations
- Real-time and stream processing techniques
- Predictive and advanced machine learning model
- Ubiquitous machine learning
- Security, Privacy, and Trust for IoT

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