

2020 IEEE Cyber Science and Technology Congress

June 22-26 2020, Calgary, Canada



Call for Papers for special session

Computing and Applications for Cyber Internet of Things (Cyber-IoT)

Scope and Topics

With the explosive growth of connected devices, cyber Internet of things (Cyber-IoT) have emerged to support users with a variety of computing and applications. In the Cyber-IoT, computing and data storage can be separated among the connected devices in a distributed manner to offer various services to users. As distinct Cyber-IoT paradigms may have diversified targets and requirements, new challenges should be resolved toward efficient Cyber-IoT computing and applications. For instance, Cyber-IoT devices like smart phones and driverless cars can communicate through mobile and wireless links, where the intermittent and unstable data transmission needs to be improved. In addition, how to secure the Cyber-IoT system as well as how to efficiently manage data storage, are still challenging issues with the development of Cyber-IoT.

This special session encourages both industry and academia to submit original research papers related to Cyber-IoT computing and applications. **Topic of interests of this special session includes, but not limited to:**

- Computing and application architectures for Cyber-IoT
- Modeling and performance analysis for Cyber-IoT
- Wireless communication and networking for Cyber-IoT
- Resource allocation and energy efficiency for Cyber-IoT
- QoS and QoE provisioning for Cyber-IoT
- Trust, security and privacy for Cyber-IoT
- Storage and cache management for Cyber-IoT

Important Dates

Submission Due: Mar. 20. 2020
Acceptance Notification Due: May 1. 2020
Camera-ready Manuscript Due: May 15. 2020

Submission Guidelines

Authors are invited to submit their original work that has not previously been submitted or published in any other venue. Final papers must be formatted accordingly (see “IEEE Manuscript Templates”) and submitted via **EDAS** under this special session track (Computing and Applications for Cyber Internet of Things (Cyber-IoT)). A special session paper should be between 4-6 pages.

Program Chairs

Zhou Su, Xi'an Jiaotong University, China
Kan Yang, The University of Memphis, USA
Jiliang Li, University of Gottingen, Germany