

# CFP: The 5th IEEE International Conference on Edge Computing and Scalable Cloud (IEEE EdgeCom 2019)

June 21<sup>st</sup>-23<sup>rd</sup>, 2019, Paris, France

<http://www.cloud-conf.net/cscloud/2019/ssc/index.html>

The increasing amount of digital devices and corresponding computing capacity needs have enabled a great improvement in digital era. Heterogeneous network connects billions of digital devices, smart machines, industrial equipments, etc., and generates an unprecedented volume of data. It is not practical to consume too much network bandwidth and introduce latency to transfer the large amount of generated data from digital devices edge to a central data server. In order to solve this issue, edge computing has been proposed to connect various kinds of digital devices and the central data server. As a crucial technical trend, edge computing and the corresponding scalable computing technology are considered as an important concept of cloud computing implementations. Gathering contemporary research achievements in the field is remarkably significant for the research.

Topics of particular interest include, but are not limited to:

- Edge computing in IoT
- Security and fault tolerance for embedded or ubiquitous systems
- Privacy protection in edge computing
- Software/Algorithm optimization for edge computing
- Cyber security in mobile embedded systems
- Edge computing infrastructure
- Workload characterization and analysis of applications running on edge devices
- Digital forensics and privacy issues in cloud computing
- Cyber monitoring approaches
- Case studies of real-world edge computing applications
- Monitoring and diagnosis tools for edge computing
- Social engineering, insider threats, advance spear phishing
- New security cloud computing model, framework, and application
- On-device artificial intelligence
- Heterogeneous clouds and vulnerabilities
- Secure methods for heterogeneous cloud sharing
- Architecture support for edge computing
- Cloud-based audio/video streaming techniques
- Energy efficient edge computing
- Case studies for cyber security applications
- Cloud-based real-time multimedia techniques
- New attack methods and applications
- Green cloud computing
- Quality of Service (QoS) improvements techniques
- Edge-Cloud coordinated computing
- Cloud-based sensor network and security issues

## Committees

### General Chairs

Meikang Qiu, Columbia University, USA

### General Co-Chairs

Gerard Memmi, Institute Mines-Telecom, France

### Program Chairs

Albert Zomaya, University of Sydney, Australia

Ziliang Zong, Texas State University, USA

Keke Gai, Beijing Institute of Technology, China

## Important Dates

**Paper submission: March 15<sup>th</sup>, 2019 (extended)**

Author notification: April 15<sup>th</sup>, 2019

Camera-Ready: May 15<sup>th</sup>, 2019

Registration: May 15<sup>th</sup>, 2019

Conference date: June 21<sup>st</sup>-23<sup>rd</sup>, 2019