

Special Session
on
Cloud, Fog and Edge Computing for Internet of Things
at
9th World Congress on Information and Communication Technologies (WICT 2019)
in India, GIET University, Odisha, India December 16-18, 2019
<http://www.mirlabs.net/wict19/>

Objectives and Scope

The uses of Internets of Things (IoT) devices or Internet Connected Things (ICT) are being increasing in the world by people, and life without such smart devices becomes impossible these days. Due to increasing the necessity of the human beings and a rapid growth of IoT has created a demand for Edge Cloud, Fog and Cloud platforms. Today major companies like IBM, Amazon, etc., are providing such efficient services of the cloud to consumers (or millions of customers world-wide). Cloud Computing enables companies to consume resources such as Virtual Machine (VM), storage or an application as a utility. The services provided by cloud computing/ a cloud can be of any types such as servers, cloud storage, databases, networking, software, analytics, hybrid cloud, intelligence, applications, etc. This technology provides various types of services that are categorized into three groups, i.e., IaaS (Infrastructure as a Service), PaaS (Platform as a Service), and SaaS (Software as a Service). On another rside, a new concept "Fog Computing" was coined by Cisco in 2014, to replace Cloud Computing use on large scale applications. Also a different concept of edge computing was proposed which is similar to fog computing. For looking difference in edge and fog computing, edge computing generally handles the processing of data where data is created around the network in substitute of centralized data-processing warehouse. Hence, this conference theme is based on information and communication technology, also we have a lot of importance such technologies in our lives (with using smart devices like IoT). So we require some essential problem (which affect people lives) and also expect creative solutions for respective problems by researchers, scientist or research groups.

We invite high quality contributions from all research areas that address the emerging challenges. Several topics of interest include, but are not limited to, the following:

- Applications of Internet of Things
- Applications of Cloud, Fog and Edge Computing
- Security, Privacy and Trust in Internet of Things, Cloud, Fog and Edge Computing
- Computation models for Internet of Things, Cloud, Fog and Edge Computing
- Cloud/ Edge/ Fog computing architecture for IoT
- Modeling and performance analysis of Cloud and Edge Computing for IoT
- Communication and networking technologies in Cloud and Edge Computing for IoT
- Mobile computing resource management in Cloud and Edge Computing for IoT
- Machine learning and deep learning in Cloud and Edge Computing for IoT
- QoS and QoE provisioning in Cloud and Edge computing for IoT
- Energy management in Cloud and Edge Computing for IoT
- Collaboration of Edge computing, Fog and Cloud computing for IoT
- Experiences in delivering cloud/edge/fog-based services
- Open issues and challenges in Cloud, Fog and Edge computing for IoT

Paper Publications

All accepted and registered papers will be published in AISC Series of Springer, indexed in ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springerlink.

Important Dates

Paper submission due: September 01, 2019

Notification of paper acceptance: October 15, 2019

Registration and Final manuscript due: October 30, 2019

Conference: December 16 - 18, 2019.

Special Session Chairs

Dr. Amit Kumar Tyagi, VIT Chennai Campus, Chennai, Tamilnadu, India

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