

Special Issue on
Communications and Cloud computing

CALL FOR PAPERS

In this special issue, authors are invited to submit their outstanding and original unpublished research manuscripts, focused on latest findings in communications and Cloud computing. This involves research areas for design and analysis of distributed and centralized Cloud systems, data centre design and engineering, communication networks, economic and market models for cloud systems, and business models and their applications in scientific, engineering, and commercial deployment. Moreover, with the evolution of the cloud paradigm, we are also interested in the new distributed Cloud paradigms, such as fog computing, mobile and vehicular Clouds, and their synergy with the centralized Cloud data centre.

Potential topics include but are not limited to the following:

- ▶ Cloud scheduling
- ▶ Cloud computing environments
- ▶ Cloud service orchestration
- ▶ Cloud APIs and usage control
- ▶ Cloud scalable monitoring
- ▶ Cloud load balancing
- ▶ Cloud radio access network (C-RAN)
- ▶ Accounting and economic models for clouds
- ▶ Performance modelling and evaluation
- ▶ Optimization of data centre and workload energy consumption
- ▶ Network-specific mechanisms for optimized cloud access
- ▶ Big Data in the Cloud
- ▶ Hadoop and MapReduce Big Data analytics
- ▶ Scientific workflows on Clouds
- ▶ Management as a service
- ▶ Applications and services enabled by virtualized infrastructure
- ▶ Cloud federation management
- ▶ Customer cloud management
- ▶ Managing cloud services
- ▶ Management of virtual resource slices
- ▶ Management of virtualized hardware resources
- ▶ Managing data centres
- ▶ Cloud data management
- ▶ QoS/QoE management in the cloud
- ▶ Policy driven service/resource life-cycle management
- ▶ Software-as-a-Service management and architectures
- ▶ IaaS management
- ▶ Hybrid Clouds
- ▶ Autonomic Cloud computing
- ▶ Green Cloud computing
- ▶ Fog computing and applications
- ▶ Cloud and fog for the Internet of things
- ▶ Mobile and vehicular cloud
- ▶ Software defined networking and network virtualization in Clouds and fogs
- ▶ Network functions virtualization
- ▶ Application and management portals
- ▶ Management tools for infrastructure virtualization
- ▶ Cloud privacy and security

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jece/communications/cmcc/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

Lead Guest Editor

Vincent C. Emeakaroha, Cork Institute of Technology, Cork, Ireland
vincent.emeakaroha@cit.ie

Guest Editors

Attila Kertesz, University of Szeged, Szeged, Hungary
keratt@inf.u-szeged.hu

Ahmad K. Malik, COMSATS Institute of Information Technology, Islamabad, Pakistan
ahmad.kamran@comsats.edu.pk

Alejandro Calderón, University Carlos III of Madrid, Madrid, Spain
acaldero@inf.uc3m.es

Submission Deadline

Friday, 17 November 2017

Publication Date

April 2018