



**IEEE Consumer Communications & Networking Conference (CCNC)
Held in conjunction with the International Consumer Electronics Show,
Las Vegas, NV, USA
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Call for Papers for *Cloud Services and Networks Track*

Scope and Motivation:

Networked Cloud has emerged as a promising direction for cost efficient and reliable service delivery across data communication networks. The dynamic locations of service facilities and virtualization of hardware and software elements are stressing the communication network and protocols, especially when data centers are interconnected through the Internet and wide-area networks. Although the "computing" aspects of Cloud technologies have been largely investigated, lower attention has been devoted to the "networking" aspects around Cloud network management, Cloud Fabric protocols, Cloud traffic engineering, network-aware consolidation and related issues, novel technologies paving the way to the emergence of new advanced Cloud services. The Cloud Services and Networks Track precisely addresses these aspects.

Main Topics of Interest:

The Cloud Services and Networks Track seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

- Data Center Network Management, Optimization, Virtual Embedding
- Distributed Data Center Architectures, Reliability
- Internet Routing of Cloud traffic
- Ethernet Routing Fabrics: TRILL, SPB, L2LSP

- Cloud overlay network protocols: VXLAN, STT, NVGRE, LISP
- Cloud network operating systems
- Software-Defined Networking and Protocols, Network Programmability: NetConf, SNMP, FORCES, OpenFlow, etc.
- Virtual Ethernet Switching, Data Center Bridging
- Cloud Traffic Characterization and Measurements
- Intra-Cloud and Inter-Cloud Management
- Cloud Traffic Engineering and Control-Plane Architectures
- Green Cloud Networking, Energy Efficiency in VM Consolidation
- Security, Privacy, Confidentiality in Cloud Networking
- Network Functions Virtualization (NFV)
- Cloud Radio Access Networks (C-RAN) technologies, Femto-Cloud
- Virtual Machine Mobility Algorithms and Protocols
- Unified User and Machine Mobility Management, Application Offloading
- Mobile Cloud Networking, Follow-Me-Cloud
- Storage Area Networks, Optical Interconnect, Fiber Channel
- Cloud Content and Service Distribution, Information Centric Networking
- Wireless and Mobile Networking for Cloud
- Pervasive Computing in Cloud

Track Chairs:

Cong WANG, City University of Hong Kong, Hong Kong

Chen QIAN, University of Kentucky, USA