



IEEE International Conference on Communications  
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COMMUNICATIONS FOR CONNECTING HUMANITY



## CALL FOR PAPERS

### SELECTED AREAS IN COMMUNICATIONS SYMPOSIUM

### CLOUD COMMUNICATIONS AND NETWORKS TRACK

#### Track Chair

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#### Scope and Topics of Interest

The Cloud Communications and Networking Track will focus on emerging technologies in transferring data from communications network to cloud computing deployments. The dynamic location of service facilities and the virtualization of hardware and software elements are stressing the current communication infrastructure. The Selected Areas in Communications Symposium – Cloud Communications and Networks (CCN) provides an international track to present and develop scientific advancements in: optimizing cloud network virtualization and management, reducing energy consumption, proposing novel Cloud network architectures, service provisioning over heterogeneous connections and wireless links, efficient resource allocation and optimization of communication protocols in the core network, etc.

The aim of the CCN Track of the Symposium on Selected Areas on Communications is to provide a forum that brings together scientists and researchers from all over the world to present their cutting-edge innovations in all aspects of the field. Papers on practical applications and R&D results from industry and academic/industrial collaborations are particularly encouraged.

To ensure complete coverage of the advances in this field, the Cloud Communications and Networking Track solicits original contributions in, but not limited to, the following topical areas:

- Big Data Management in Cloud Networking
- Cloud Federation and Hybrid Cloud Infrastructure
- Cloud Traffic Characterization and Measurements
- Cloud Traffic Engineering and Control-Plane Architectures
- Cloud Networking in 5G
- Cloud Networking for Internet of Things (IoT)
- Data Center Network Management, Reliability, Optimization
- Data Flow Management and Load Balancing
- Distributed Data Center Architectures and Services: IaaS, PaaS, SaaS
- Energy-Efficient Datacenters and Networks
- Green Data Centers and Cloud Networking
- Internet Routing of Cloud data
- Microservices and Container deployments
- Mobile Cloud Networking
- Network as a Service
- Network Functions Virtualization
- Network Virtualization

- Quality of Service or Experience (QoS & QoE) in Cloud Services and Networking
- Security, Privacy, and Confidentiality in Cloud Networking
- Software Defined Networks
- Storage Area Networks, Optical Interconnect, Fiber Channels
- Virtual Ethernet Switching, Data Center Bridging
- Virtualization of Network Equipment
- Wireless Data Center

### **Submission Guidelines**

The IEEE ICC 2018 website provides full instructions on how to submit papers & the paper format.

You will select the desired symposium/track when submitting.

**The paper submission deadline is October 15, 2017.**

Only PDF files will be accepted for the review process and all submissions must be done through EDAS at <http://edas.info/>