



Cloud Networking has emerged as a promising direction for cost-efficient and reliable service delivery across data communication networks. The dynamic location of service facilities and the virtualization of hardware and software elements are stressing the communication network and protocols, especially when datacenters are interconnected through the Internet. Emerging Network Function Virtualization (NFV) and Software Defined Network (SDN) can play significant roles by improving the dynamicity and programmability of cloud networks. Middlebox has been significantly improved the agility of cloud network deployment and management. The 7th IEEE International Conference on Cloud Networking (IEEE CloudNet 2018) can greatly promote researches in cloud network and emerging research areas.

## Final Extension!!

### Topics of Interest (but not limited to)

#### Cloud network and resource management

- Data Center Network Optimization and Management
- Reliability of Data Center Network and Architecture
- Energy-Efficient Datacenters and Networks
- Cloud Traffic Characterization and Measurements
- Cloud Traffic Engineering and Control-Plane Architectures
- Data Flow Management and Load Balancing
- Cloud computing and cloud storage
- Energy-Efficient Datacenters and Networks

#### Cloud network and virtualization

- Data Center Networks
- Virtual Ethernet Switching, Data Center Bridging
- Green Data Centers and Cloud Networking
- Mobile Cloud Networking
- Virtualization of Network Equipment
- Software-Defined Networking
- Network Function Virtualization
- Middleware and Middleboxes

#### Cloud network and supported services

- Big Data Management
- Data Analytics in Cloud
- Network Services to support IaaS, PaaS, and SaaS
- Unified User and Machine Mobility Management
- Content and Service Distribution in Multilocation
- Complementing Edge Computing with Data Center Networks

#### Cloud network architecture

- Distributed Data Center Architectures
- Internet Routing of Cloud data
- Intra-Cloud vs Inter-Cloud Management
- Cloud Federation and Hybrid Cloud Infrastructure

#### Cloud network security and privacy

- Security, Privacy, and Confidentiality in Cloud Networking
- Cloud data provenance and data loss protection
- Cloud storage security
- Cloud network intrusion detection/prevention
- Distributed firewall in cloud and DPI

Prospective authors are invited to submit original technical papers using the EDAS links <http://edas.info/N24505>. Submissions must be in IEEE single-spaced double-column style with a length limitation of six 6 pages (including title, abstract, all figures, tables, and references) for full papers (oral presentation) and 3 pages for short papers (poster presentation). Accepted papers will be submitted to IEEE Xplore.

For more information please check

<http://cloudnet2018.ieee-cloudnet.org>

### Important Dates

**Paper Submission:** ~~May 15, 2018~~  
~~June 5, 2018~~  
**June 12, 2018 (firm)**  
**Acceptance Notification:** Aug. 12, 2018  
**Camera Ready due:** Aug. 30, 2018  
**Conference:** Oct. 22 – 24, 2018

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