

# CALL FOR PAPERS



6th IEEE International Conference on Cloud Networking  
25-27 SEPTEMBER 2017 // PRAGUE, CZECH REPUBLIC

## IEEE CloudNet 2017

<http://cloudnet2017.ieee-cloudnet.org/>

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. Although the "computing" aspects of Cloud technologies have been largely investigated, lower attention has been devoted to the "networking" aspects. The 6th IEEE International Conference on Cloud Networking (IEEE CloudNet 2017), part of the IEEE Cloud Computing Initiative, precisely addresses these aspects. Due to successful history and sponsorship of IEEE, the conference attracts wide audience and more than one hundred researchers and developers from whole world attend it every year.

### Conference topics include (but are not limited to):

- Data Center Network Optimization and Management
- Reliability of Data Center Network and Architecture
- Distributed Data Center Architectures and Services, IaaS, PaaS, SaaS
- Energy-Efficient Datacenters and Networks
- Big Data Management
- Data Analytics in Cloud
- Internet Routing of Cloud data
- Virtual Ethernet Switching, Data Center Bridging
- Cloud Traffic Characterization and Measurements
- Intra-Cloud vs Inter-Cloud Management
- Cloud Traffic Engineering and Control-Plane Architectures
- Green Data Centers and Cloud Networking
- Security, Privacy, and Confidentiality in Cloud Networking
- Unified User and Machine Mobility Management
- Data Flow Management and Load Balancing
- Mobile Cloud Networking
- Mobile Edge Computing
- Cloud Federation and Hybrid Cloud Infrastructure
- Storage Area Networks in Data Centers
- Content and Service Distribution in Multi-location Data Center Networks
- Complementing Edge Computing with Data Center Networks
- Virtualization of Network Equipment
- Software-defined networking
- Orchestration
- Cloud computing and cloud storage
- Middleware
- Microservices and Container deployments

### Important Dates:

- Paper submission: May 26, 2017
- Notification of acceptance: July 17, 2017
- Camera-ready: August 13, 2017

### Special sessions:

- Security considerations for cloud usage in mobile networks
- Consumer Centric IoT using Edge Computing
- Edge, Cloud and IoT in Robotics and Cyber-Physical Systems
- Demo session

### Keynotes:

- Thomas Karagiannis (Microsoft Research, United Kingdom): Towards a predictable cloud
- Emilio Calvanese Strinati (CEA-Leti, Grenoble, France): Cloudification of 5G

### Submission guidelines:

Prospective authors are invited to submit original technical papers to IEEE CloudNet 2017. All submissions should be written in English with a maximum paper length of six (6) printed pages (minimum 10-point font), following the IEEE 2-column conference paper format.

### IEEE CloudNet 2017 Organizing Committee

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- Zdenek Becvar, Czech Technical University in Prague
- Robert Bestak, Czech Technical University in Prague

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- Adlen Ksentini, Eurecom, France
- Chadi Assi, Concordia University, Canada

#### Special sessions chairs

##### Security considerations for cloud usage in mobile networks

- Makan Pourzandi, Ericsson, Sweden
- Ben Smeets, Lund university, Sweden

##### Consumer Centric IoT using Edge Computing

- Soumya Kanti Datta, EURECOM, France
- Tom Coughlin, President, Coughlin Associates, USA
- Arne Broering, Siemens, Germany

##### Edge, Cloud and IoT in Robotics and Cyber-Physical Systems

- Pieter Simoens, Ghent University, Belgium
- Alexandros Gkiokas, Ortelio, United Kingdom

##### Demo session

- Navid Nikaein, Eurecom, France
- Laurent Roullet, Nokia-Bell-labs, France