# Call for Papers

# *Selected Areas in Communications Symposium -*

# *Cloud Networks*

**Scope and Motivation**

Cloud networking has emerged as a promising direction for cost-efficient, reliable and on-demand service provisioning across data communication networks. The *Selected Areas in Communications Symposium – Cloud Networks* 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.

**Main Topics of Interest**

- Data Center Network Management, Reliability, Optimization
- Wireless data center
- Distributed Data Center Architectures and Services, IaaS, PaaS, SaaS
- Energy-Efficient Datacenters and Networks
- Big Data and Traffic Management
- Cloud networking in 5G
- Network Functions Virtualization (NFV)
- Software Defined Networks (SDN)
- 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
- Energy Efficiency in Data Centers and Cloud Networking
- Security, Privacy and Confidentiality in Cloud Networking
- Virtualization of Network Equipment
- Unified User and Machine Mobility Management
- Data Flow Management and Load Balancing
- Mobile Cloud Networking
- Cloud Federation and Hybrid Cloud Infrastructure
- Storage Area Networks, Optical Interconnect, Fiber Channels
- Content and Service Distribution
- Quality-of-Service and Quality-of-Experience in Cloud Services and Networking
- Cloud network platforms and experimentations

**Sponsoring Technical Committees**

- Technical Committee Information Infrastructure and Networking (TCIIN)

**How to Submit a Paper:**

The IEEE Globecom 2016 website provides full instructions on how to submit papers. You will select the SAC Cloud Networks when submitting. The paper submission deadline is **April 1, 2016**.

**Symposium Co-Chairs:**

- Nadjib Aitsaadi, University Paris Est Creteil Val de Marne, France (nadjib.aitsaadi@u-pec.fr)

- Alexander Raake, Audiovisual Technology Group, Institute for Media Technology, Technische Universität Ilmenau, and Telekom Innovation Laboratories, Germany (alexander.raake@tu-ilmenau.de)

**Biography of Track Chairs**



**Name:** Nadjib Aitsaadi
**Affiliation:** University Paris Est Creteil Val de Marne (UPEC), France
**Email:** nadjib.aitsaadi@u-pec.fr

Nadjib Aitsaadi is an Associate Professor at the University Paris Est Creteil Val de Marne (UPEC) in France, since 2011. He received the M.Sc. degree in communications engineering from University Pierre and Marie Curie (UPMC - Paris VI, Sorbonne Universites), in 2006, and a Ph.D. degree in computer science and networks from the same university in 2010. He also worked as a Research Fellow at Institut National de Recherchre en Informatique et Automatique (INRIA) in France. His works mostly cover network optimization, resource allocation, network virtualization, Femtocell networks and Wireless Sensor Network. His current research interests are about resource allocation and control admission in wireless/wired Cloud networks and Software Defined Networks.

Dr. Aitsaadi has been TPC co-chair of IEEE SaCoNet 2013 and member of many Technical Program Committees of many leading conferences (IEEE GLOBECOM, IEEE ICC, IEEE WCNC, IEEE VTC, IEEE CCNC, IEEE GIIS, IFIP/IEEE COULDNET, IFIP/IEEE Wireless Days, IEEE/IFIP NoF).



**Name:** Alexander Raake
**Affiliation:** Technische Universität Ilmenau, Germany
**Email:** alexander.raake@tu-ilmenau.de

Alexander Raake is a full professor heading the Audiovisual Technology Group at TU Ilmenau since July 2015. Before, he was a Professor at TU Berlin, heading the Assessment of IP-based Applications group at TU Berlin's An-Institut T-Labs, a joint venture between Deutsche Telekom AG and TU Berlin. From 2009 to 2013, he was an Assistant Professor, and from 2005 to 2009 a senior scientist at T-Labs, TU Berlin. From 2004 to 2005, he was a Postdoctoral Researcher at LIMSI-CNRS in Orsay, France. From the Electrical Engineering and Information Technology Faculty of the Ruhr-Universität Bochum, he obtained his doctoral degree (Dr.-Ing.) in January 2005 (extended version appeared as Speech Quality of VoIP, Wiley, 2006). He studied Electrical Engineering in Aachen (RWTH) and Paris (ENST/Télécom). His research interests are in speech, audio and video transmission, in particular over IP, QoE assessment, audiovisual and multimedia services and user perception. Since 1999, he has been involved in the standardization activities of ITU-T Study Group 12, where he currently acts as a Co-Rapporteur for question Q.14/12 on monitoring models for audiovisual services. He won different awards, such as the ITG literature prize for his book Speech Quality of VoIP, and in 2011 the Johann-Philipp-Reis prize. He has been TPC co-chair of IEEE QoMEX in 2011, 2012 and 2014, and Technical Program Committee member in conferences and workshops such as IEEE QoMEX 2009, 2010, 2013, 2015, 2016, Packet Video Workshop 2010, 2012, 2015, different AES Conferences, INTERSPEECH (since 2010), IEEE ICME (since 2011), EUSIPCO (since 2011), IEEE ICASSP IEEE (multiple since 2010), ISCC (multiple since 2011).

**TPC Members**

TBD