



Call for Papers for *Selected Areas in Communications Symposium* – *Cloud Networks Track* –

Scope and Motivation:

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 data centers are interconnected through the Internet and long-distance 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. The Cloud Networks Track precisely addresses these aspects.

Main Topics of Interest:

Topics include (but are not limited to):

- Data Center Network Management, Optimization, Virtual Embedding
- Distributed Data Center Architectures, Reliability
- Internet Routing of Cloud traffic
- Ethernet Routing Fabrics: TRILL, SPB, L2LSP
- Network Programmability, Software-Defined Networking: FORCES, OpenFlow, OpenStack, 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
- Virtualization of Wireless Network Equipment
- Cloud Radio Access Networks (C-RAN) technologies, Femto-Cloud
- Virtual Machine Mobility Algorithms and Protocols
- Unified User and Machine Mobility Management

- Mobile Cloud Networking, Follow-Me-Cloud
- Storage Area Networks, Optical Interconnect, Fiber Channel
- Cloud Content and Service Distribution, Information Centric Networking

Sponsoring Technical Committees:

- Information Infrastructure and Networking
- Internet Technical Committee

How to Submit a Paper:

The IEEE Globecom 2014 website provides full instructions on how to submit papers. You will select the desired symposium when submitting. **The paper submission deadline is April 1, 2014. Unlike recent ICC's and Globecom's, this is a hard deadline that will not be extended.**

Symposium Track-Chair:

Stefano Secci, University Pierre and Marie Curie, France, Stefano.Secci@upmc.fr



Stefano Secci received the M.Sc. degree in communications engineering from Politecnico di Milano, in 2005, and a dual Ph.D. degree in computer science and networks from the same school and Telecom ParisTech, in 2009. Dr Secci is an Associate Professor at the University Pierre and Marie Curie (UPMC - Paris VI), since 2010. Before, he worked as a Research Fellow at NTNU, George Mason University, Ecole Polytechnique de Montréal, and Politecnico di Milano, and as a Network Engineer with Fastweb Italia. His works mostly cover network optimization, protocol design, Internet routing and traffic engineering. His current research interests are about Internet resiliency and Cloud networking. Dr. Secci has been member of many Technical Program Committees of many IEEE conferences (ICC, GLOBECOM, CLOUDNET, WCNC, VTC), TPC co-chair of IEEE CloudNet 2012 and referee for the Italian Ministry of Research and University. He is an associate editor for IEEE Communications Surveys and Tutorials since 2012, for Journal of Network and Systems Management (Springer) since 2013, and guest editor for the 2013 Computer Networks (Elsevier) special issue « Communications and Networking in the Cloud ». He is secretary of the Internet Technical Committee (ITC), joint between the IEEE Communication Society and the Internet Society (ISOC), since 2011.