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Call for Papers for *Cloud Services and 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, novel technologies paving the way to the emergence of new advanced Cloud services. The Cloud Services and Networks Track precisely addresses these aspects.

Main Topics of Interest:

The Cloud Services and Networks Track seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

- Data Center Network Management, Optimization, Virtual Embedding
- Distributed Data Center Architectures, Reliability
- Internet Routing of Cloud traffic
- Ethernet Routing Fabrics: TRILL, SPB, L2LSP
- Cloud overlay network protocols: VXLAN, STT, NVGRE, LISP
- Cloud network operating systems
- Network Programmability, Software-Defined Networking and Protocols: NetConf, SNMP, FORCES, OpenFlow, 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
- Network Function Virtualization (NFV)
- Cloud Radio Access Networks (C-RAN) technologies, Femto-Cloud
- Virtual Machine Mobility Algorithms and Protocols
- Unified User and Machine Mobility Management, Application Offloading
- Mobile Cloud Networking, Follow-Me-Cloud
- Storage Area Networks, Optical Interconnect, Fiber Channel
- Cloud Content and Service Distribution, Information Centric Networking

Track Chair:

[Stefano Secci](#), UPMC, France

TPC members:

Stephane Betge-Brezetz	Alcatel-Lucent Bell Labs, France
Rajdeep Bhowmik	Cisco Systems, Inc., USA
Mohamed Boucadair	Orange labs, France
Miguel Campista	UFRJ, Brazil
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Piotr Cholda	AGH, Poland
Antonio Cianfrani	U. of Roma I - La Sapienza, Italy
Luis Miguel Contreras	Telefonica I+D, Spain
Luis Henrique Costa	UFRJ, Brazil
Thierry Coupaye	Orange Labs, France
Andrzej Duda	Grenoble Institute of Technology, France
Nelson Fonseca	U. Campinas, Brazil
Stefano Giordano	U. Pisa, Italy
Lisandro Granville	Federal U. of Rio Grande do Sul, Brazil
Toru Hasegawa	KDDI Labs., Japan
Volker Hilt	Bell Labs/Alcatel-Lucent, USA
Luigi Iannone	Telecom ParisTech, France
Shinji Kikuchi	FUJITSU Lab, Japan
Yoshiaki Kiriha	NEC, Japan
Wenzhong Li	Nanjing U., P.R. China
Guido Maier	Politecnico di Milano, Italy
Angelos Marnierides	U. Lancaster, UK
David Meyer	Brocade, USA
Michele Nogueira	UFPR, Brazil
Kenichi Ogaki	KDDI Corporation, Japan
Damien Saucez	INRIA, France
Stefan Schmid	T-Labs & TU Berlin, Germany
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