

1<sup>st</sup> IEEE International Conference on Cloud Networking

# IEEE CLOUDNET 2012

November 28 - 30, 2012

Université Pierre et Marie Curie  
Paris, France



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

**Conference Co-Chairs:** Guy Pujolle, Raouf Boutaba

**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 2012 1st IEEE Int. Conference on Cloud Networking (IEEE CloudNet 2012), part of the IEEE Cloud Computing Initiative, precisely addresses these aspects. Conference topics include (but are not limited to):

- Data Center Network Management, Reliability, Optimization
- Distributed Data Center Architectures and Services, IaaS
- Internet Routing of Cloud data
- Ethernet Routing: TRILL, SPB, L2LSP, OpenFlow
- 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 Cloud Networking
- Security, Privacy, Confidentiality in Cloud networking
- Network on the fly, Virtual control, Virtual radio, Isolation
- Virtualization of Wireless Equipment
- Unified User and Machine Mobility Management
- Mobile Cloud Networking, Follow-Me-Cloud
- Storage Area Networks, Optical Interconnect, Fiber Channel
- Content and Service Distribution

## Venue

The conference will take place in place Jussieu, in the very center of Paris, latin quarter, between the Panthéon and the Notre Dame.

## Keynotes

Radia Perlman (Intel Labs):

« Cloud Fabric: Myths, Missteps, and Mysteries »

Charlie Kaufman (Microsoft):

« Cloud Network Security: Challenges and Opportunities »

Tarik Taleb (NEC Europe):

« Mobile Cloud Networking: Why and How ? »

## Important dates

Submission of papers: **July 8, 2012**

Notification to authors: **September 15, 2012**

Camera-ready copies: **September 30, 2012**

## Program Committee Co-Chairs

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Stefano Secci, UPMC, France

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Tobias Hossfeld, U. Wurzburg, Germany  
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Xavier Masip-Bruin, UPC, Spain  
Xiaoming Fu, U. Goettingen, Germany  
Yacine Ghamri-Doudane, ENSIEE, France  
Wolfgang Kellerer, DOCOMO EuroLabs, Germany