The 13th IEEE International Conference on Cloud Networking

November 27-29, 2024 // Rio de Janeiro, Brazil

Invited Speakers

Keynotes

* The Demikernel Datapath Architecture for Microsecond-Scale Datacenter Systems, by **Irene Zhang**, Microsoft Research.

* The Role of Research Software and Research Software Engineers in Science, by **Fabio Kon**, University of São Paulo.

* Next Generation Clouds for 6G Networks and Beyond, by **Roch H. Glitho**, Concordia University.

* Automation in the Era of Cloud-Native Telecommunication Networks, by **Raouf Boutaba**, University Of Waterloo

Call for Papers

Cloud networking has emerged as a promising direction for cost-efficient, reliable service and data delivery across wide-area backbones and data-center fabrics. The prominent penetration of virtualization technologies into computing and communication infrastructure has led to continuous innovation, with new network protocols, software platforms, and artificial intelligence-based techniques for their orchestration. CloudNet 2024 will bring together the world's most distinguished researchers and industry experts in this field and will provide a great opportunity for you to present your research as well as exchange ideas with a highly motivated audience.

https://cloudnet2024.ieee-cloudnet.org/

In 2024, the IEEE International Conference on Cloud Networking **(IEEE CloudNet)** will be held for the first time in the southern hemisphere, in the wonderful city of Rio de Janeiro, Brazil.

IMPORTANT DATES:

Abstract registration:	July 22, 2024
Paper submission:	July 22, 2024
Acceptation notification:	September 16, 2024
Camera-ready deadline:	September 30, 2024

CALL FOR PAPERS

Authors are invited to submit original contributions that have not been published or submitted for publication elsewhere. Submissions must be in IEEE single-spaced double-column style with a length limitation of 8 pages (including title, abstract, all figures and tables) for full papers (oral presentation), and 4 pages for short papers (poster and technical demonstration papers), both excluding references (maximum 1 additional page for references). Accepted papers will be published in IEEE Xplore.

Conference topics include (but are not limited to):

CLOUD NETWORK ARCHITECTURE

* Multi-Cloud federation and Hybrid Cloud Infrastructure

* Reliability of Data Center Network and Architecture

* Mobile Cloud Networking

* Slicing and RAN Virtualization (SD-RAN, Cloud RAN, vRAN, OpenRAN)

* Programmable Data Planes and Smart-NIC design

* SDN/NFV and Virtualization of Network Equipment

* Architectures to Enable AI/ML

* Cloud continuum

RESOURCE MANAGEMENT

* Data Center and Cloud-native Networks

* Intra-Cloud vs. Inter-Cloud Management

* Energy-Efficient Data Centers and Networks

* Resource Optimization and Management

* Traffic Characterization and Measurements

* Data Flow Management and Load Balancing

* Storage Management

* AI/ML-assisted Resource Management and Orchestration

CLOUD SUPPORTED SERVICES

* Big Data Analytics

* Vehicular Cloud Computing

* Network Connectivity Services

* Unified User and Machine Mobility Management

* Content and Service Distribution

* Edge Computing

* Location-based Services

* Performance Enhancement of Cloud Applications

* Cloud-Edge-IoT

CLOUD SECURITY AND PRIVACY

* Cloud Data Provenance and Data Loss Protection

* Cloud Sovereignty

* Cloud Storage Security

* Cloud Application Security

* Intrusion Detection/Prevention Systems

* Firewall and Deep Packet Inspection Systems

* AI/ML for Cloud Security

* Cloud Computing Privacy

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Paper submission URL:

https://edas.info/N32262