



The 13th IEEE International Conference on Cloud Networking

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

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

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

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 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



Organizing Committee

General Co-Chairs

Igor Moraes, Universidade Federal Fluminense, Brazil

Diogo Menezes Ferrazani Mattos, Universidade Federal Fluminense, Brazil

Technical Program Co-Chairs

Rodrigo de Souza Couto, Universidade Federal do Rio de Janeiro, Brazil

Thi Mai Trang Nguyen, Université Sorbonne Paris Nord, France

Paper submission URL:

<https://edas.info/N32262>