



The 11th IEEE International Conference on Cloud Networking

November 07 - 10, 2022 // Paris, France

INVITED SPEAKERS

Keynotes

* Tackling the Identity Problem, by Radia Perlman, Dell Technologies, USA.

* Issues in Cloud Computing, by Charlie Kaufman, Dell Technologies, USA.

* Building the Responsible Internet, by Paola Grosso, University of Amsterdam, Netherlands.

* Cloud deployments of 5G core networks: unleashing the power of private 5G, by Nicola Di Pietro, Athonet, Italy.

Additional keynotes will be announced soon.

Tutorials

* Tiny ML and Edge Computing, Akram Baharlouei, Meta AI (Facebook), USA

* Introduction to quantum computing and post-quantum algorithms, Radia Perlman, Dell Technologies, USA.

Additional tutorials will be announced soon.

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 2022 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.

Selected CLOUDNET 2022 best-papers finalists will be invited to submit an extended version of their paper to IEEE Transactions on Network and Service Management (impact factor: 4.195), with a fast-track review process.

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

IMPORTANT DATES:

Abstract registration: June 13, 2022 (11:59 pm AoE)

Paper submission: June 20, 2022 (11:59 pm AoE)

Acceptance notification: September 01, 2022

Camera-ready deadline: September 30, 2022



CALL FOR PAPERS

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

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 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



Organizing Committee

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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), excluding references. Accepted papers will be published in IEEE Xplore.

Paper submission URL:

<https://edas.info/29433>