

COINS 2020

IEEE International Conference on Omni-layer Intelligent systems

Track Name: Cloud Computing

Call for Papers

July 27-29, 2020
Barcelona, Spain
<https://coinsconf.com>



Cloud computing is converging with big data, artificial intelligence (AI) and Internet of Things (IoT), which makes work more "intelligent" but also brings many new challenges. Therefore, this track aims to provide a high-level, international forum for researchers, practitioners and developers who are interested in cloud computing to present state-of-the-art research results, explore new ideas, techniques and tools, as well as discuss trends and opportunities related with all aspects and applications of cloud computing. Topics of interest include, but are not limited to, the following:

A) Cloud Computing Infrastructure

- Cloud Computing Architectures
- Service-Oriented Architecture in Cloud Computing
- Data Storage and Analytics Architectures
- Intelligent Cloud Computing Architectures
- GPU-accelerated Cloud Computing
- Networks within Cloud Systems
- Cloud, Fog and Edge Computing Architectures

B) Cloud Computing Management and Maintenance

- Cloud Service Provisioning, Composition, Migration and Optimization
- QoS/QoE Provisioning and SLA Management
- Green and Energy Management for Cloud Computing
- Dynamic Cloud Configuration and Resource Management
- Cloud Job/Workload Profiling and Allocation
- Cloud System Metering, Monitoring and Analyzing
- Intelligent and Predictive Maintenance for Cloud Computing

C) Cloud Computing Security

- Security Design for Cloud Computing
- Access Control, Authorization, and Authentication
- Cloud Availability, Reliability, Safety
- Cryptographic Algorithms and Protocols
- Data Security, Privacy and Reliability
- Trusted Cloud Environments

D) Applications of Cloud Computing

- Social and Multimedia Applications
- Mobile Clouds and Applications
- Cloud, Fog and Edge Applications
- Industrial 4.0 and Internet of Things Applications
- Cloud-based AI Applications

Organizing Committee

Track Chair

Yongyi Ran, Nanyang Technological University, Singapore

Key Dates



Submission of Regular Papers and Special Session Papers
March 06, 2020



Notification of Paper Acceptance
May 06, 2020



Camera-Ready Submission
May 16, 2020

