



2027 IEEE 12th International Conference on
Cloud Computing and Big Data Analytics

23-25 April 2027 | Chengdu, China

Track 1

Cloud Computing Fundamentals & Architecture

This track focuses on the fundamental theories, system architectures and core technologies of cloud computing, bringing together academic researchers and industry practitioners to share state-of-the-art research advances and engineering practices in cloud infrastructure. We welcome original submissions covering cloud deployment models, cloud service architectures, cloud system design, middleware frameworks, simulation tools, system operation and maintenance, performance optimization, cost economics, cloud solution patterns, and semantic web for cloud computing. Discussions will center on bottlenecks in cloud-system design, resource scheduling, architectural evolution, and practical engineering challenges. Through keynote presentations and interactive exchanges, this track aims to consolidate the technical foundation of cloud computing and offer insights for further research on cloud-native and large-scale distributed systems, fostering academic exchanges and research collaborations among worldwide scholars and engineers.

Track Chair



Hongjun Wang
Southwest Jiaotong University, China

Publication

Submitted papers will be peer reviewed by conference committees, and accepted papers will be included in ICCCBDA 2027 Conference Proceedings.

Submission Link and Templates

Submission Link: <https://easychair.org/conferences/?conf=icccbda2027> ((Please select Track 1))

Submission Templates:

<https://icccbda.com/instruct8.5x11x2.doc> (Word Version)

<https://icccbda.com/ieee-latex-conference-template.zip>
(LaTeX Version)

Topics

- ◆ Cloud Deployment Models
- ◆ Cloud Service Architectures
- ◆ Cloud System Design
- ◆ Cloud Simulation Tools
- ◆ Cloud Middleware Frameworks
- ◆ Cloud Cost Economics
- ◆ Cloud Operation Management
- ◆ Cloud Performance Optimization
- ◆ Cloud Solution Patterns
- ◆ Cloud Semantic Web
- ◆ Cloud Solution Design Patterns

Important Dates

Submission deadline: December 5, 2026

Notification Date: January 5, 2027

Registration Deadline: January 20, 2027

Contact

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