



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

23-25 April 2027 | Chengdu, China

Special
Session 1

QoS-Driven Resource Management for High-Speed Wireless-Cloud Convergence

The integration of high-speed wireless access, edge computing and cloud computing brings massive real-time data traffic from IoT devices, industrial terminals and multimedia services. Traditional resource scheduling cannot jointly guarantee end-to-end QoS across wireless links, edge nodes and cloud platforms. This special session focuses on QoS-aware resource allocation for wireless-cloud converged systems. We welcome original works on bandwidth adaptation, latency-jitter control, load balancing, and service quality guarantee under heterogeneous high-speed network conditions. This session intends to bring together academic and industry researchers to share cutting-edge findings and foster cross-community technical exchanges.

Topics

- ◆ End-to-end QoS guarantee for wireless-edge-cloud pipelines
- ◆ Dynamic scheduling for latency-sensitive cloud services
- ◆ QoE-oriented traffic management in wireless-cloud convergence
- ◆ Load balancing & congestion control for high-speed heterogeneous access
- ◆ QoS evaluation for cloud-aided wireless big-data transmission

Special Session Chair



Pascal Lorenz
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Publication

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

Important Dates

Submission deadline: December 5, 2026
Notification Date: January 5, 2027
Registration Deadline: January 20, 2027

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)

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