



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

23-25 April 2027 | Chengdu, China

Track 5

IoT, Edge & Cloud Integration

This track focuses on the convergence technologies among Internet of Things, edge computing and cloud computing, aiming to gather researchers and industry developers to discuss technical breakthroughs and practical deployment experiences in hybrid IoT-edge-cloud architectures. We welcome original submissions related to edge-cloud collaborative frameworks, IoT data collection and preprocessing, lightweight edge intelligence, distributed task offloading, resource orchestration across edge and cloud layers, time-sensitive service delivery, heterogeneous device management, edge-cloud data synchronization, and system reliability for massive IoT deployments. Discussions will highlight key challenges including latency constraints, bandwidth limitation, device heterogeneity, and resource imbalance in geographically distributed scenarios. This track intends to foster idea exchanges between academia and industry, explore feasible optimization solutions for integrated systems, and promote international cooperation to advance the maturity of IoT-edge-cloud integrated ecosystems.

Track Chair



Yimao Sun
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Topics

- ♦ IoT-Cloud Integration
- ♦ IoT Data Management
- ♦ Edge-Cloud Paradigms
- ♦ Edge Data Processing
- ♦ Edge Computing Apps
- ♦ Edge Deployment Solutions
- ♦ Cloud IoT Sustainability
- ♦ Edge Intelligence Systems
- ♦ Cloud-Edge Orchestration
- ♦ IoT Big Data Analytics

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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