

2026 IEEE 6th International Conference on Computer Systems will be held in Zhengzhou, China from September 18-20, 2026, sponsored by Henan University, China and IEEE China Council; Organized by School of Artificial Intelligence, Henan University.

SPECIAL SESSION 1

Edge Computing Systems: From Devices to Infrastructure

The proliferation of IoT devices and the need for low-latency, privacy-preserving processing have propelled edge computing to the forefront of systems research. This session explores the full spectrum of edge computing systems, from resource-constrained microcontrollers to powerful edge nodes and the distributed infrastructure that connects them. We invite submissions on lightweight virtualization, serverless computing at the edge, data management, and security frameworks designed for this highly distributed and heterogeneous environment. We also seek work on novel applications and orchestration strategies that leverage the unique characteristics of the compute continuum.

Topics of interest include, but are not limited to:

1. Lightweight Virtualization and Containerization for Edge Devices;
2. Serverless Computing and FaaS (Function-as-a-Service) at the Edge;
3. Distributed Data Management and Stream Processing on Edge;
4. Resource Management and Scheduling in Edge-Cloud Continuum;
5. Security and Trusted Execution Environments for Edge Nodes;
6. Energy-Efficient Computing for Battery-Powered Edge Devices;
7. Edge-Native Applications: AR/VR, Industrial IoT, Smart Cities;
8. Networking and Communication Protocols for Edge Systems;
9. ML/AI Model Deployment and Inference at the Edge;
10. Fault Tolerance and Reliability in Geographically Distributed Edge Systems



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Publication



Accepted papers will be included in ICCS 2026 Conference Proceedings, which will be archived in IEEE Xplore, and indexed by EI Compendex, Scopus, and other indexing services.

Submission Deadline: June 15, 2026

Notification of Review Result: July 10, 2026

Submission Method

submission system: https://www.zmeeting.org/submission/iccs2026_1

Template (word): <https://www.iccs.net/instruct8.5x11x2.doc>

Template (LaTeX):

https://www.iccs.net/ieee_conference_latex_template.zip

Author Guidance: <https://www.iccs.net/sub.html>



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