

# The 31<sup>st</sup> International Conference on Parallel and Distributed Systems



Hefei, China December 14 - 18, 2025

*Ubiquitous Computing for Global Communities*

## Call for Papers

### Big Data and Machine Learning Systems

#### Track Co-Chairs

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#### Scope and Motivation

The Big Data and Machine Learning Systems Track aims to serve as an international forum for experts, researchers, and practitioners from academia, industry, and government to exchange new ideas and results on the theoretical foundations, practical implementations, and innovative applications of systems designed to handle large-scale data processing and machine learning tasks.

#### Topics of Interest

Our track seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

- Algorithms for big data
- Big data analytics and applications
- Big data security and privacy
- Crowd/social/multi-modal sensing and computing systems
- Distributed autonomous robotic systems
- Distributed and federated machine learning systems
- Distributed LLM design
- LLMs for parallel and distributed systems
- Machine learning for autonomous vehicles

#### Important Dates

**Paper Submission: 2025-08-15**

**Notification: 2025-10-01**

**Camera Ready and Registration: 2025-10-15**

#### How to Submit a Paper

Each submission should include the authors' names, affiliations, an abstract, and 5–10 keywords. Papers are limited to 8 pages, including figures and references. Up to two additional pages may be included with an overlength charge. Full instructions on how to submit papers are provided on the IEEE ICPADS 2025 website: <http://ieee-icpads.org.cn/CFP-research-paper.html>