

The 31st International Conference on Parallel and Distributed Systems



Hefei, China December 14 - 18, 2025

Ubiquitous Computing for Global Communities

Call for Papers

Intelligent Data Processing & Management

Track Co-Chairs

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Scope and Motivation

The Intelligent Data Processing & Management track focuses on core principles and advancements in large-scale data management and processing. It highlights approaches leveraging artificial intelligence (AI) and machine learning (ML) to achieve new levels of automation, efficiency, and capability within heterogeneous and distributed environments. This track seeks original research addressing fundamental and emerging issues in data management infrastructures, processing engines, and algorithms, now significantly enhanced by intelligent techniques. We welcome contributions exploring how AI/ML can drive innovation across the entire data life cycle.

Topics of Interest

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

- AI for Database Systems
- Cloud Data Management
- Data Mining and Knowledge Discovery
- Database Security and Privacy
- Database technology for AI
- Data Stream Systems and Edge Computing
- Distributed and Parallel Data Management
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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>