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AIBT 2026

November 27-29, 2026 Shanghai, China
2026年11月27-29日 中国上海

2026 The 5th International Conference on Artificial Intelligence and Blockchain Technology

SPECIAL SESSION 1

Call for Paper

Co-sponsors : East China Normal University and Southwest Jiaotong University
Detailed instructions: https://aibt.net/ss1.html

Scalable Memory for LLM-Based AI Agents >

SESSION CHAIR

Laha Ale
SENIOR MEMBER, IEEE

Southwest Jiaotong University,China

This special session focuses on novel memory architectures and retrieval algorithms that enable scalable, accurate, and resource-efficient long-term memory for LLM agents. We invite contributions addressing efficient memory construction, memory representation learning, adaptive consolidation, retrieval optimization, memory compression, continual learning, and cognitive-inspired memory systems. Topics spanning structured and graph-based memory, multi-agent memory sharing, memory-aware reasoning, and benchmark development are particularly encouraged. The goal of this session is to advance the theoretical foundations and practical deployment of persistent AI agents capable of maintaining, organizing, and utilizing knowledge over extended interactions while minimizing computational and token costs. The session will provide a forum for researchers and practitioners to discuss emerging challenges, solutions, and future directions in long-term agent memory systems.

CALL FOR PAPERS

TOPICS OF INTEREST INCIUDE, BUT ARE NOT IIMITED TO

- Long-term memory architectures for LLM agents
- Agentic memory systems and memory operating systems
- Memory construction and consolidation algorithms
- Cognitive-inspired memory models for AI agents
- Episodic, semantic, procedural, and hybrid memory systems
- Hierarchical and multi-resolution memory representations
- Structured memory graphs and knowledge networks
- Retrieval-augmented generation (RAG) for long-term memory
- Memory-aware reasoning and planning
- Efficient memory indexing and retrieval algorithms
- Memory compression, pruning, and summarization

Enter the submission system and select Special Session 1

SUBMISSION

Submit via EasyChair:
https://www.zmeeting.org/submission/aibt2026
Or email to: aibt@young.ac.cn
(Notes:)
Papers must be written in English, at least 4 pages in length, and follow the conference template.
Abstract-only submissions are accepted for oral presentation (no publication).

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PUBLICATION

Accepted papers will be published in the **ACM International Conference Proceedings Series** as **Open Access**, and submitted for indexing by **Ei Compendex**, **Scopus**, etc.

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Special Issue Guest Editor:
Assoc. Prof. Ting Wang, East China Normal University, China

IMPORTANT DATES

Submission Deadline: October 10, 2026
Notification Date: October 25, 2026
Registration Deadline: October 30, 2026

CONFERENCE PROGRAM

- November 27, 2026 (Friday): Registration & Material Collection
- November 28, 2026 (Saturday): Opening Ceremony, Keynote Speeches, Oral and Poster Sessions
- November 29, 2026 (Sunday) : Oral & Poster Session

官方微信号
(pIease note "AIBT 2026" when adding)

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