

2026 8th Asia Conference on Machine Learning and Computing

ACMLC 2026 aims to provide a forum for researchers, practitioners, and professionals from the industry, academia and government who are working in the field of machine learning and computing to discourse on research and development, professional practice in related fields.

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CALL FOR PAPERS

TRACK 1: Large Language Model Agents Theory and Applications

Multimodal LLM Agents	Tool Use and API Integration	Domain-Specific Agents
Multi-Agent Collaboration	Agent Planning and Reasoning	Agent Evaluation and Benchmarking

TRACK 2: Social Computing and Human-AI Collaboration

Computational Social Science	Social Network Dynamics	Agent-Driven Social Modeling	AI Ethics and Social Impact
Human-AI Collaboration Patterns	Collective Intelligence	Social Media and Cultural Computing	

TRACK 3: Machine Learning for Images and Computer Vision

Visual Foundation Models & Self-Supervised Learning	Low-Level Vision and Computational Imaging	Vision for Embodied AI and Robotics
Generative Vision & Content Creation	3D Vision and Geometric Learning	Vision-Language Integration
Video Understanding and Temporal Modeling	Efficient and Real-Time Vision Systems	Trustworthy and Explainable Computer Vision

TRACK 4: Machine Learning for Natural Language Processing

Efficient and Scalable Language Models	Multilingual and Cross-Lingual NLP	NLP for Scientific and Professional Domains
Natural Language Understanding and Reasoning	Speech, Audio, and Multimodal Integration	Socially-Aware and Human-Centered NLP
Natural Language Generation and Dialogue	Information Retrieval and Knowledge-Intensive NLP	Interpretability, Analysis, and Evaluation of Language Models

TRACK 5: Machine Learning for Intelligent Computing in Emerging Engineering Applications

Machine Learning for Scientific Discovery & Engineering Design	Machine Learning in Energy Systems & Sustainability	Machine Learning for Financial Technology & Quantitative Engineering
Machine Learning in Smart Infrastructure & Construction	Machine Learning for Autonomous Systems & Robotics	Machine Learning in Environmental Science & Earth Observation
Machine Learning for Advanced Manufacturing & Industry 4.0	Machine Learning in Computational Biology & Digital Health	Edge AI & Distributed Machine Learning for Engineering Systems

TRACK 6: Efficient Computing Systems for Machine Learning

AI/ML Hardware Accelerators & Architecture	Distributed & Federated Learning Systems
Model Compression & Efficient Inference	ML for System Optimization & Autotuning
Compiler & Framework Optimizations	Sustainable AI (Green Computing)

CONTACT US

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2026第八届亚洲机器学习与计算大会

2026第八届亚洲机器学习与计算大会将于2026年7月10-12日在北京举行。会议旨在促进机器学习和计算领域的学术交流与合作,尽全力搭建高水准的国际交流平台,热忱欢迎从事相关技术研究的专家、学者和专业技术人员踊跃投稿并参加大会。

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征稿主题

Track 1: 大型语言模型代理理论与应用

多模态语言学习智能体	工具使用与API集成	代理安全和对齐	代理评估与基准测试	人机交互
代理规划与推理	多代理协作	领域特定代理	代理记忆与学习	代理架构和基础设施

Track 2: 社会计算与人类人工智能协作

计算社会科学	社交网络动态	代理驱动的社会建模	人工智能伦理与社会影响	数字治理与政策
人机协作模式	群体智能	社交媒体和文化计算	可解释和社会感知人工智能	社交机器人与交互

Track 3: 图像与计算机视觉中的机器学习

视觉基础模型与自监督学习	视频理解与时间建模	三维视觉与几何学习	面向具身人工智能和机器人的视觉	可信且可解释的计算机视觉
生成式视觉与内容创作	底层视觉与计算成像	高效实时视觉系统	视觉与语言的融合	新兴应用与跨领域视觉

Track 4: 用于自然语言处理的机器学习

高效且可扩展的语言模型	自然语言生成和对话	语音、音频和多模态集成	面向科学和专业领域的NLP	语言模型的可解释性、分析和评估
自然语言理解和推理	多语言和跨语言NLP	信息检索和知识密集型NLP	社会意识和以人为本的NLP	新兴应用和人类人工智能协作

Track 5: 机器学习在新兴工程应用中的智能计算

用于科学发现和工程设计的机器学习	先进制造和工业4.0的机器学习	自主系统和机器人的机器学习	金融技术和定量工程的机器学习
智能基础设施和建筑中的机器学习	能源系统和可持续发展中的机器学习	计算生物学和数字健康中的机器学习	环境科学和地球观测中的机器学习

Track 6: 面向机器学习的高效计算系统

人工智能/机器学习硬件加速器与架构	编译器和框架优化	用于系统优化与自动调优的机器学习
模型压缩与高效推理	分布式和联邦学习系统	可持续人工智能(绿色计算)

更多主旨请见: <http://www.acmlc.org/topics.html>

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