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IEEE International Conference on AI & Data Analytics (ICAD 2027)

June 29 - 30, 2027 | Boston, Massachusetts, USA

CALL FOR PAPERS

Submission Deadline: January 15, 2027
Notification of Acceptance: March 12, 2027
Publication-Ready Submission: April 20, 2027

More information and submissions:
IEEE-ICAD.org

ICAD 2027 invites original research papers and posters spanning foundations, emerging frontiers, and applications of Artificial Intelligence (AI)* and Data Analytics. The conference features oral and poster presentations, invited talks, and Best Paper Awards recognizing outstanding research. We welcome submissions on topics including, but not limited to:

Track 1: Foundations of AI, Data Science & Analytics	**Track 2: Applied AI & Analytics in Industry and Enterprise**
1. Core Machine Learning & Deep Learning Methods 2. Computer Vision & Multimodal Perception 3. Natural Language Processing, Speech, Audio & Voice AI 4. Retrieval-Augmented AI, Knowledge Grounding & Memory 5. Reinforcement Learning, Preference Optimization & Feedback 6. Reasoning Models, Inference-Time Scaling & Test-Time Compute 7. Statistical & Predictive Analytics 8. Recommender Systems & Personalization 9. Data Visualization & Causal Inference 10. Explainable AI (XAI) & Model Interpretability 11. Synthetic Data for Training & Evaluation 12. ML Systems & Infrastructure: Serving & Orchestration 13. Autonomous, Self-Healing Data Pipelines	1. AI in Finance, Business Intelligence & Customer Experience 2. AI in Manufacturing, Supply Chain & Industry 4.0 3. AI for Climate, Environment & Sustainability 4. AI in Medicine, Healthcare & Assistive Technologies 5. AI in Media, Entertainment & Creative Industries 6. AI for Cybersecurity: Vulnerability Discovery, Analysis & Defense 7. AI in Education & Workforce Development 8. AI in Law, Justice, Legal Tech & Government 9. AI in Agriculture & Food Systems 10. AI in Transportation, Mobility & Smart Cities 11. Digital Twins & Simulation 12. AI in Software Engineering, Testing & DevOps
Track 3: Frontiers in AI and Data Analytics	**Track 4: Responsible AI, Safety & Governance**
1. Generative & Multimodal AI, Foundation & World Models 2. Agentic AI Systems, Frameworks, Tools & Protocols 3. AI Alignment, Control & Human Oversight 4. AI Evaluation, Benchmarks & Assurance 5. Robotics, Embodied AI & Vision-Language-Action Models 6. AI for Science & Autonomous Experimentation 7. Human-in-the-Loop AI & Human-AI Collaboration 8. Edge AI & Federated Learning 9. Efficiency & Energy-Aware AI 10. Open-Weight & Accessible AI Models 11. Neuromorphic, Brain-Inspired & Quantum AI/ML	1. AI Governance, Regulation & Policy 2. AI Safety Infrastructure, Sandboxes & Assurance 3. Ethics, Fairness & Bias Mitigation 4. Privacy-Preserving & Trustworthy AI 5. Transparency, Auditing & Risk-Based Compliance 6. AI Security, Adversarial Attacks & Red Teaming 7. AI for Social Impact 8. Green AI & Sustainable AI Development

Submission Guidelines

All submissions must go through the Conference Management Tool. Complete paper and poster specification guidelines are at ieee-icad.org.



Technical Program Co-Chairs:

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* Consistent with IEEE terminology, this Call for Papers uses the broad term Artificial Intelligence (AI), including technologies referred to as Super Intelligence (SI) under U.S. Executive Order 14434 (2026).