



2025 IEEE International Conference on AI Industry Standard and Quality Assurance

Santa Clara, California, USA
May 5-7, 2025

<https://ieeaiindustrystandard.org/>

IEEE CAI 2025

CALL FOR PAPERS




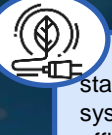


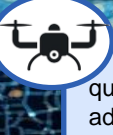



IEEE AI Industry Standard 2025 is the inaugural IEEE Conference on AI Industry Standard Development and Quality Assurance. This premier event serves as a global platform for AI technology developers, industry leaders, and associations to convene and exchange insights on industry standards and quality control from diverse perspectives.

IMPORTANT DATES

Paper abstract submission:	March 10, 2025
Full paper submission:	March 21, 2025
Paper acceptance:	April 7, 2025
Paper camera ready:	April 15, 2025
Conference dates:	May 6-7, 2025

The conference will function as a pivotal global conduit for existing and forthcoming industry standards supported by IEEE Industry Standards and Technology Organization (IEEE ISTO) group.

IEEE Industry AI Standard 2025 seeks original, high-quality papers, abstracts, and speakers that contribute to the following *AI Industry Standards and Quality Assurance verticals*:

 <p>AI Semiconductors: Focuses on AI standards and quality assurance for semiconductor chips, platforms, and frameworks, including validation and metrics for AI-powered devices and edge-based technologies.</p>	 <p>Computer Vision: Focuses on AI standards and quality assurance for intelligent computer vision systems, platforms, and evaluation metrics.</p>
 <p>Chatbots: Focuses on AI standards focusing on innovative methodologies, ethical considerations, and technical challenges to enhance functionality and user engagement.</p>	 <p>Smart Grids & Clean Energy: Focuses on AI standards and quality in smart grids and clean energy systems, focusing on AI-driven innovations for increased efficiency, reliability, and integration of renewable resources.</p>
 <p>Infrastructure & Tools: Focuses on standards and QA for AI data and communication infrastructures, platforms, and tools supporting large-scale ML modeling and intelligent systems.</p>	 <p>ESG Intelligence for Environmental & Social Governance: Focuses on AI standards and QA for Environmental, Social, and Governance (ESG) initiatives, focusing on sustainability and global impact.</p>
 <p>UAV and Aerospace: Focuses on AI standards and quality assurance in autonomous technologies, emphasizing advancements in autonomous decision-making, safety enhancements, and regulatory compliance.</p>	 <p>Healthcare: Focuses on AI standards and QA for intelligent healthcare systems, smart medical agents, and service platforms.</p>
 <p>Robotics & Autonomous Vehicles: Focuses on AI standards and QA for robotics and autonomous vehicles, including edge-based intelligence and connectivity.</p>	 <p>Agriculture Technology: Focuses on AI standard development in agritech, focusing on pioneering AI applications that enhance precision farming, sustainability, and crop management to set new industry benchmarks.</p>

Access all submission details: <https://easychair.org/conferences/?conf=cai2025>

All accepted papers, abstracts, and presentations will be presented in the IEEE Standard Conference, and its proceedings will be published by IEEE Computer Society and IEEE Explore digital library. Typical topics include different AI standard scopes, frameworks, experience reports, quality assurance process and metrics, as well as solutions in diverse AI application sectors.

General Chair: Jerry Gao, San Jose State University, USA
 Industry General Chair: Jane Wu BRI Capital
 Industry General Co-Chair: Peter Hsieh, ARM IOT Capital
 Co-Chair: Jie Xu, University of Leeds, UK
 Co-Chair: Hong Zhu, Oxford Brookes University, UK
 PC Chairs: Iraklis Varlamis, Liangxiu Han, Fanjing Meng

