

CALL FOR PAPERS

for Special Issue on

AI and Quantum Cybernetics: Selected Best Papers from IEEE CybConf 2026

Theme: Artificial intelligence and quantum technologies are transforming cybernetics by introducing new paradigms for intelligent decision-making, adaptive control, and complex system analysis. This special issue seeks original and high-quality submissions on AI and Quantum Cybernetics, including significantly extended versions of selected best papers from IEEE CybConf 2026 as well as open submissions from the broader community. The issue emphasizes new theories, models, and applications spanning learning, control, communication, sensing, and intelligence in complex cybernetic systems.

This special issue will focus on (but not limited to) the following topics:

Artificial Intelligence in Cybernetics; Machine Learning and Deep Learning for Cybernetic Systems; Reinforcement Learning and Adaptive Control; Human-Machine Interaction and Human-Centered Cybernetics; Brain-Inspired and Cognitive Cybernetic Systems; Quantum Cybernetics and Quantum Control; Quantum Machine Learning; Quantum Information Processing for Cybernetic Systems; Intelligent Autonomous Systems; Multi-agent Systems and Distributed Intelligence; AI-enabled Cyber-Physical Systems; Explainable and Trustworthy AI; Cybernetic Modeling of Biological or Social Systems; LLM and Data-Driven Approaches in Cybernetics.

Manuscript Preparation and Submission

Follow the guidelines in “Information for Authors” of IEEE Transactions on Cybernetics: <https://www.ieeesmc.org/publications/transactions-on-cybernetics>. Please submit manuscripts in electronic form through IEEE Author Portal: <https://iee.atyponrex.com/journal/cyb-ieee>. On the submission page #1 in popup menu of Article Type, select “**Special Issue on AI and Quantum Cybernetics: Selected Best Papers from IEEE CybConf 2026**”. Submissions must represent original work not submitted or published elsewhere. For invited CybConf 2026 extensions, manuscripts must include at least 40% new technical contributions beyond the conference version. The review process for the special issue submissions and the paper length requirement are the same as the regular issue papers.

Note: Recommended papers for this special issue are subject to final approval by the Editor-in-Chief. Some papers may be published in a regular issue, at the EIC discretion. Depending on the number of accepted manuscripts, this special issue could be published as a special section in a regular issue.

	Paper submission:	July 20, 2026
	Completion of first round of review:	November 30, 2026
Timetable:	Completion of final review:	February 28, 2027
	Submission of final manuscripts:	March 30, 2027
	Scheduled publication:	May 30, 2027

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