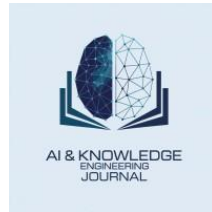


Call for Papers

Special Issue of the International Journal of AI and Knowledge Engineering (IJAIKE) on

“Quantum Intelligence Computing into Industry 5.0”



The *International Journal of AI and Knowledge Engineering (IJAIKE)* is pleased to announce a Special Issue on “**Quantum Intelligence Computing into Industry 5.0**” and invites high-quality submissions from researchers, practitioners, and industry leaders.

This Call for Papers is seeking **original research articles, review papers, and case studies** that explore how **Quantum Intelligence Computing (QIC)** — the fusion of quantum computing and artificial intelligence — can be integrated into **Industry 5.0** to create **efficient, sustainable, and human-centered manufacturing processes**.

QIC offers unprecedented computational power to address complex industrial problems that are intractable for classical computers. In the context of Industry 5.0, it has the potential to enhance **human-machine collaboration**, drive **sustainable practices**, and enable **personalized, adaptive manufacturing** at scale.

Scope and Topics

We welcome contributions that address, but are not limited to, the following areas:

- **Foundations and architectures** for integrating QIC into Industry 5.0 ecosystems
- **Quantum-enhanced machine learning** for predictive maintenance, quality control, and process optimization
- **Human-machine collaboration models** enabled by QIC for personalized manufacturing
- **Quantum algorithms** for supply chain optimization, logistics, and resource allocation
- **Sustainable manufacturing** through quantum-driven energy optimization and waste reduction
- **QIC-powered digital twins** for real-time simulation and decision-making in industrial environments
- **Security and privacy** in Industry 5.0 systems using quantum cryptography
- **Hybrid quantum-classical frameworks** for industrial AI applications

- **Case studies and experimental results** demonstrating QIC in real-world Industry 5.0 scenarios
- **Ethical, societal, and workforce implications** of deploying QIC in human-centric manufacturing

This call for papers is seeking **novel theoretical contributions, experimental validations, or comprehensive reviews** that advance the understanding and application of QIC in Industry 5.0. All submissions will undergo a rigorous **peer-review process** to ensure the highest quality and relevance.

Submission Guidelines:

- Manuscripts should be submitted via the **Clarivate ScholarOne Manuscript Central Submission** portal at <https://mc04.manuscriptcentral.com/jaike>

- All submissions will be peer-reviewed to ensure high-quality contributions. Those papers, which rank well in quality content, long-term reference value, originality, relevancy, and presentations, will be considered favorably for publication in the IJAIKE Journal.

Important Dates:

Submission Deadline:	February 15, 2026
Revision Due:	May 15, 2026
Final Acceptance:	July 30, 2026
Publication Date:	December 2026

Guest Editors:

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Journal Website: <http://IJAIKE.org/>

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We look forward to your contributions to this exciting Special Issue and to advancing the dialogue on how **Quantum Intelligence Computing** can shape the future of **Industry 5.0**.