

Call for Papers

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

"AI for Product Life-cycle Management (PLM)"



Website: IJAIKE.org

Artificial Intelligence (AI) is revolutionizing **Product Life-cycle Management (PLM)**, enabling companies to reduce costs, accelerate innovation, and maintain a competitive edge in fast-evolving industries. AI-driven PLM integrates advanced computational techniques, data analytics, and automation to enhance **design, development, manufacturing, and product optimization** processes.

This **Call for Papers** is seeking original research contributions, review articles, and case studies that explore how AI is transforming **PLM** across diverse industries. We invite submissions on emerging topics, including but not limited to:

Topics of Interest:

- **AI-powered Design Process Automation** – Automating complex design workflows using machine learning and generative AI.
- **Accelerated Product Design & Prototyping** – AI-driven methodologies for rapid prototyping and digital twin simulations.
- **AI-driven PLM Platforms** – Intelligent systems enabling seamless integration of AI in PLM software solutions.
- **Enhanced Collaboration Across Product Development Teams** – AI-powered communication and project management tools.
- **Predictive Analytics for Decision-Making** – AI algorithms for forecasting market trends, reliability, and production efficiency.
- **Automated Product and Process Optimization** – Machine learning techniques to refine product quality and manufacturing processes.
- **AI-Powered Simulation & Testing** – AI-enhanced simulation frameworks for validating designs and engineering processes.

- **AI-driven Multi-Physics Modeling** – Leveraging AI to enhance simulations in complex multi-domain environments.
- **Cost Reduction & Competitive Advantage** – AI strategies for reducing development costs and accelerating commercialization.
- **Sustainability & Circular Economy in PLM** – AI solutions for lifecycle assessment and eco-friendly product development.
- **Human-AI Collaboration in PLM** – Augmenting engineering creativity and decision-making with AI-driven tools.

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.
- Manuscripts must adhere to the journal's formatting guidelines

Important Dates:

Submission Deadline:	March 15, 2025
Final Acceptance:	June 15, 2026
Publication Date:	December 2026

Accepted papers will be published in this **Special Issue** dedicated to **AI for Product Life-cycle Management**.

We encourage researchers, industry professionals, and AI practitioners to contribute their insights to this special issue and help shape the future of AI-driven PLM.

Journal Website:	http://IJAIKE.org/
Authors' Instructions:	https://eaapublishing.org/journals/index.php/jaike/guidelines
Editorial policies:	https://eaapublishing.org/journals/index.php/jaike/policies

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