

Call for Papers

Special Issue of Artificial Intelligence and Knowledge Engineering (AI&KE) Journal on "AI-Driven Robotics and Automation"

 **Journal
Website:**
IJAIKE.com



Scope & Objective

In a world increasingly shaped by **technological innovation**, **AI-powered robotics and automation** stand at the forefront of transformation, redefining how we **live, work, and interact** with intelligent systems. From **self-driving vehicles** to **collaborative robots (cobots)**, robotics continues to evolve, offering unprecedented efficiencies, automation, and **human-AI collaboration** across industries.

This **Call for Papers** seeks **high-quality original research** and **state-of-the-art reviews** addressing **emerging trends, methodologies, and applications** in **AI, Robotics, and Automation**. Our goal is to publish **cutting-edge contributions** that advance the field by exploring how AI enhances autonomous systems, optimizes workflows, and enables real-world solutions in various sectors.

Topics of Interest

Submissions are encouraged on (but not limited to) the following topics:

- ✓ **AI-Powered Robotics** – Autonomous systems, AI-enhanced robotic decision-making, and adaptive learning.
- ✓ **Collaborative Robots (Cobots)** – AI-enabled robots designed to work alongside humans, improving efficiency and safety in industrial settings.
- ✓ **Swarm Robotics** – Decentralized coordination inspired by biological systems, enabling large-scale robotic collaboration.
- ✓ **Soft Robotics** – Design and applications of flexible, pliable robotic systems mimicking natural organisms, with applications in healthcare and industrial automation.
- ✓ **Autonomous Vehicles & Mobility AI** – AI-driven advancements in self-driving cars, drones, and intelligent transportation networks.
- ✓ **Medical Robotics & AI in Healthcare** – AI-driven precision surgery, robotic diagnostics, telemedicine, and patient monitoring.
- ✓ **Human-Robot Interaction (HRI)** – Enhancing user experience, safety, and ethical considerations in AI-robot collaboration.
- ✓ **AI-Enabled Process Automation** – Intelligent automation in manufacturing, logistics, and supply chain optimization.
- ✓ **Ethical & Policy Implications of AI in Robotics** – Considerations for responsible AI, policy frameworks, and the societal impact of automation.

Submission Guidelines

- ✓ Manuscripts should be submitted via **Clarivate ScholarOne Manuscript Central**: [IJAIKE Submission Portal](#)
- ✓ All submissions must be **original and not under consideration elsewhere**.
- ✓ Detailed submission requirements, including formatting guidelines and deadlines, can be found on the journal website: [IJAIKE.com](http://www.IJAIKE.com).

Why Submit to IJAIKE?

- ✓ **Rigorous Peer Review** – High academic integrity, ensuring the highest research quality.
- ✓ **Rapid Publication** – Minimal backlog, enabling timely dissemination of impactful research.
- ✓ **Global Visibility** – Your research will reach a broad audience in AI, robotics, and automation.

We look forward to receiving **your valuable research contributions** and advancing the discussion on **AI-driven robotics and automation**. If you have any questions, please feel free to **reach out** to the editorial team.

Best regards,

Dr. Biren (Brian) Prasad

Editor-in-Chief

International Journal of AI and Knowledge Engineering (IJAIKE)

Journal Website: <http://www.IJAIKE.com>
