Special Issue

Integrating AI into Mechatronics and Robotics: Innovations and Applications

Message from the Guest Editors

The integration of Artificial Intelligence (AI) into Mechatronics and Robotics is revolutionizing these fields by enabling innovative applications and significant advancements. This Special Issue will present cutting-edge research and experimental results in this rapidly evolving area, covering a broad range of topics from AI algorithms and intelligent control systems to practical applications in various industries. This Special Issue will gather contributions from researchers offering comprehensive overviews of the latest innovations and applications related to integrating AI into Mechatronics and Robotics, paving the way for future advancements in these transformative technologies. This Special Issue will publish high-quality, original research papers in the following overlapping fields:

- Innovations in Artificial Intelligence Applied to Robotics.
- Autonomous Systems and Collaborative Robots
- Optimization and Intelligent Control in Mechatronic Systems
- Practical Applications of AI in Mechatronics and Robotics
- Development of Tools and Platforms for AI in Robotics

Guest Editors

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Deadline for manuscript submissions

20 February 2026

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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