

Special Issue

Artificial Intelligence and Signal Processing Techniques for Industrial Automation Systems

Message from the Guest Editors

This Special Issue aims to provide a platform for researchers and engineers to report their recent research outcomes and exchange innovative research ideas. The topics of Interest include, but are not limited to, the following:

- AI-based cross-modal signal fusion and intelligent processing.
- Interpretability of integration between signal processing and AI.
- AI-based control and optimization for robotic systems.
- AI-based control and optimization for automation control systems.
- AI-based control and optimization for energy engineering systems.
- Signal-based monitoring and diagnosis techniques.
- AI-based monitoring and diagnosis techniques.
- Signal transmission optimization and AI edge computing for industrial Internet of Things.
- Industrial quality inspection using AI and signal processing.
- Digital twin and perceptual technology.
- Large language model applications for industrial automation systems.
- Multi-sensor signal-fusion technology for smart homes and smart cities.

Guest Editors

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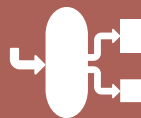
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