

Special Issue

AI and Computer Vision in Real-World and Industrial Applications

Message from the Guest Editors

Recent advances in artificial intelligence (AI) and computer vision are transforming the way intelligent systems interact with the real world. Developments in machine learning, deep learning and visual perception are enabling new capabilities in automation, data analysis and decision support across a wide range of domains.

The SI explores recent developments in artificial intelligence and computer vision applied to real-world and industrial contexts. Topics include: Artificial intelligence for computer vision; Deep learning and machine learning for visual analysis; Vision-based quality inspection and anomaly detection; Computer vision for industrial automation and robotics; AI-driven predictive maintenance and monitoring; Edge AI and real-time computer vision systems; Vision-based human-machine interaction; Smart manufacturing and intelligent production systems; Applications of AI and computer vision in healthcare, transportation, and smart infrastructure...

Guest Editors

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