

Special Issue

Key Technologies in Intelligent Mining Equipment

Message from the Guest Editors

Dear Colleagues This special issue aims to explore the latest advances, challenges, and applications of intelligent mining equipment, providing a platform for researchers, engineers, and practitioners to share their insights and experiences. Intelligent Control Systems: Novel control algorithms and strategies for intelligent mining equipment. Artificial Intelligence and Machine Learning: Applications of AI and machine learning techniques in intelligent mining equipment. Sensing and Perception: Advanced sensors and perception technologies for intelligent mining equipment, including vision-based systems, LiDAR, and sensor fusion techniques. Human-Machine Interaction: Design principles and technologies for enhancing human-machine interaction in intelligent mining equipment, including augmented reality interfaces and collaborative robotics. Autonomous and Semi-autonomous Systems: Development and deployment of autonomous and semi-autonomous systems in manufacturing, agriculture, logistics, mining and other domains. Safety and Reliability: Methods and technologies for ensuring the safety and reliability of intelligent mining equipment.

Guest Editors

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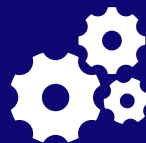
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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided. There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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