Special Issue

Artificial Intelligence and Big Data Processing: Transforming Industrial Applications

Message from the Guest Editors

The integration of Artificial Intelligence (AI) and Big Data is reshaping industrial landscapes, driving innovation, and optimizing processes across multiple sectors. This Special Issue aims to explore cutting-edge developments in the application of AI and Big Data technologies to solve complex industrial challenges. Its primary focus is on enhancing operational efficiency, improving decision-making processes, and fostering sustainable practices through advanced analytics and intelligent automation. By leveraging AI algorithms and Big Data analytics, industries can achieve significant improvements in resource management, productivity, and cost reduction. Additionally, this Special Issue will examine real-world case studies and novel methodologies that demonstrate the transformative potential of these technologies in areas,-- such as predictive maintenance, where AI can foresee equipment failures and reduce downtime; supply chain optimization, which enhances logistics and inventory management; and personalized healthcare solutions that tailor treatments to individual patient needs.

Guest Editors

Prof. Dr. Ming Liu

School of Computer Science and Engineering, University of Electronic Science & Technology of China, Chengdu 610054, China

Dr. Haigang Gong

School of Computer Science and Engineering, University of Electronic Science & Technology of China, Chengdu 610054, China

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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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