Special Issue

AI Applications and Modern Industry

Message from the Guest Editors

Modern industries require more sensors, computing power, and algorithms to run smoothly and be competitive in an increasingly global market. Artificial Intelligence algorithms contribute to optimizing processes and the safety of people and assets. Hence, investment in edge AI, classical and deep machine learning systems, business intelligence, and other engineering tools is key to competitiveness and sustainability. Those systems facilitate the automation of tasks and detection of events and patterns at the same time as they offer prognostics, greatly contributing to a deeper understanding of modern complex systems and more informed decisions. This Special Issue aims to cover the latest research so that decisions made based on the proposed algorithms are sound and adequate, effectively contributing to facilitating management and operational decisions. Original contributions on the above aspects and related topics are encouraged.

Guest Editors

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Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

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