Special Issue

Intelligent Systems: Design and Engineering Applications

Message from the Guest Editors

This Special Issue seeks to bridge the gap between advanced intelligent algorithms and practical engineering implementation, emphasizing system-level integration, reproducible methodologies, and experimental or field validation. Research areas may include (but are not limited to) the following:

- Intelligent control systems, adaptive and learning-based control, model predictive control (MPC), and robust control methods.
- Embedded and edge AI systems, TinyML, and real-time intelligent inference on resource-constrained devices.
- Digital twins, cyber–physical systems, and intelligent engineering applications for Industry 4.0 and Industry 5.0.
- Intelligent robotics, autonomous systems, and human–AI interaction in engineering environments.
- Intelligent sensing and Internet of Things (IoT) systems, including sensor fusion, fault diagnosis, and predictive maintenance.
- Data-driven engineering design, optimization, decision support systems, and explainable and trustworthy AI for engineering applications.

We look forward to receiving your valuable contributions.

Guest Editors

Prof. Dr. Héctor Alonso Guerrero-Osuna
Prof. Dr. Armando Jorge Sousa
Dr. Carlos Alberto Olvera-Olvera

Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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