# **Special Issue**

# Advances in Al-Enabled Applications for Robotics and Autonomous Systems

# Message from the Guest Editors

With the rapid advancements in artificial intelligence (AI) and drone technologies, there has been a growing interest in exploring their synergistic potential across various domains. To foster the exchange of knowledge and advancements in this exciting field, we are pleased to announce a Special Issue dedicated to the exploration of AI and drones. Topics of interest for this Special Issue encompass, but are not limited to:

- Autonomous drone navigation and control using Al techniques:
- Al-based object detection, recognition, and tracking for drones;
- Swarm intelligence and collective behavior of Alpowered drones;
- Al-driven decision-making and mission planning in drone applications;
- Sensor fusion and data integration techniques for drone-based Al systems;
- Al-enabled drone applications in agriculture, environmental monitoring, and forestry;
- Human-drone interaction/collaboration in Al-enabled drone systems;
- Edge computing and distributed AI for real-time drone applications.

#### **Guest Editors**

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# Deadline for manuscript submissions

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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.

## **Editor-in-Chief**

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