

## Special Issue

# Advances in Deep Learning for Drones and Its Applications: 3rd Edition

### Message from the Guest Editors

Following the outstanding success and high visibility of the first and second editions of our Special Issue, it is with great pleasure that we announce the launch of the third edition. We invite researchers to submit original papers to this third edition of our Special Issue, focusing on the latest advances in deep learning, computer vision, and machine learning for drones and general field robotics. Papers are solicited on all areas directly related to these topics, including but not limited to, the following areas of interest:

- UAV and UGV Collaborations
- Vision–Language–Action (VLA) Models
- Advanced Scene Understanding
- Imitation Learning (IL) and Reinforcement Learning (RL)
- Large-Scale Datasets and Benchmarks
- Deep Neural Networks (DNNs) for Perception
- State Estimation and Dynamic Identification
- Learning-based Planning and Manipulation
- Real-Time Data Analytics
- Domain-Specific Applications
- Innovative Design

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### Guest Editors

Dr. Inkyu Sa

Dr. Marija Popovic

Dr. Ho Seok Ahn

Dr. Chanoh Park

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### Deadline for manuscript submissions

26 October 2026



## Drones

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## About the Journal

### Message from the Editor-in-Chief

*Drones* is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field of drones.

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### Editor-in-Chief

Prof. Dr. Diego González-Aguilera

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