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Deep Learning Techniques for Manned and Unmanned Ground, Aerial and Marine Vehicles

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Deadline for manuscript submissions:
closed (30 April 2022)

Message from the Guest Editors

The purpose of this Special Issue is to report recent applications of deep learning approaches in manned and unmanned ground, aerial, and marine vehicles. Topics include but are not limited to:

- Cognitive data collection;
- Data cleansing;
- Data compression;
- Multisensor data fusion;
- Vehicle localization;
- Perception systems;
- AI for automation systems;
- Object detection, localization, and tracking;
- Situation awareness;
- Vehicle control;
- Autonomous vehicles;
- Connected vehicles;
- Self-driving cars;
- Generative adversarial networks (GANs);
- Collective intelligence;
- Multiagent systems;
- Platooning, flocking, and self-organization;
- Applications: unmanned aerial vehicles (UAVs), unmanned ground vehicles (UGVs), unmanned underwater vehicles (UUVs), and unmanned surface vehicles (USVs), self-driving cars, delivery robots, search and rescue, reconnaissance, surveillance, swarm robotics, etc.

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Message from the Editor-in-Chief

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