Special Issue

Deep Learning-Based Object Detection and Tracking

Message from the Guest Editors

With the advancement of deep learning techniques, object detection and tracking have made remarkable progress in recent years. This Special Issue aims to bring together recent advances in deep learning-based detection and tracking, with a focus on novel methods, theoretical insights, and impactful applications. Topics of interest include, but are not limited to, the following:

- Deep learning methods for object detection and tracking in 2D and 3D scenes;
- Real-time detection and tracking systems for autonomous driving and robotics;
- Multimodal detection and tracking;
- Deep learning for small object detection and long-term tracking;
- Label-efficient object detection and tracking;
- Lightweight and efficient detection/tracking models for edge devices;
- Tracking and detection in remote sensing, underwater, and aerial imagery;
- Applications in video surveillance, intelligent transportation, and human activity analysis.

Guest Editors

Dr. Hao Liu

College of Computing and Data Science, Nanyang Technological University, Singapore 639798, Singapore

Dr. Zhuangzi Li

College of Computing and Data Science, Nanyang Technological University, Singapore 639798, Singapore

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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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