Special Issue

Novel Methods for Object Detection and Segmentation

Message from the Guest Editors

Object detection and segmentation are critical tasks in computer vision with a wide range of applications, including autonomous driving, robotics, and medical imaging. In recent years, deep learning-based methods have achieved remarkable success in these areas. However, challenges remain, such as handling occlusions, low-resolution images, and diverse object shapes and sizes. This Special Issue presents novel methods for object detection and segmentation that address these challenges. The articles cover a variety of topics, including the use of attention mechanisms, multi-scale feature fusion, and generative adversarial networks (GANs) for object detection and segmentation. Other articles explore the integration of 3D information, such as point clouds and depth maps, into object detection and segmentation frameworks. Overall, the articles in this Special Issue offer new insights and approaches for object detection and segmentation, with potential implications for a wide range of industries and fields.

Guest Editors

Dr. Lien Minh Dang

Department of Information and Communication Engineering, and Convergence Engineering for Intelligent Drone, Sejong University, Seoul 05006, Republic of Korea

Prof. Dr. Hyeonjoon Moon

Department of Computer Science and Engineering, Sejong University, Seoul 05006, Republic of Korea

Deadline for manuscript submissions

15 February 2025

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 5.3

mdpi.com/si/172576

Electronics
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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