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# Object Detection, Segmentation and Categorization in Artificial Intelligence

Guest Editors:

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Deadline for manuscript submissions:
**closed (15 April 2024)**

## Message from the Guest Editors

Dear Colleagues,

Object detection, segmentation and categorization are the core tasks of artificial intelligence in applications such as image understanding, remote sensing image intelligent interpretation, medical image analysis, augmented reality, object recognition and tracking, object retrieval, video surveillance and autonomous vehicles.

This Special Issue aims to gather papers presenting recent advances in object detection, segmentation and categorization with novel and impactful applications. Topics of interest include, but are not limited to:

- Machine learning for object detection, segmentation and categorization;
- Multiobjective or multitask optimization for object detection, segmentation and categorization;
- Object detection, segmentation and categorization based on evolutionary computation;
- Remote sensing/ teaching image object detection, segmentation and categorization;
- Medical image segmentation and categorization;
- Underwater target detection, identification and tracking;
- Ocean acoustic remote sensing;
- Sensor signal detection, identification and categorization.

mdpi.com/si/140735

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## Message from the Editor-in-Chief

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