

## Special Issue

# Environment Perception for Industrial Robotics, Connected and Autonomous Vehicles and Beyond

### Message from the Guest Editor

This Special Issue encourages authors from both academia and industry to submit new research results regarding technological innovations and novel ideas for environmental perception, considering both hardware and software, with a special interest in artificial intelligence and advanced sensors and sensing systems. This Special Issue welcomes submission regarding, but not limited to, the following topics:

- Autonomous vehicle contexts;
- Efficient ML (deep learning, reinforcement learning, etc.)-based CAV computation and architecture;
- Environmental perception;
- Object detection;
- Occupancy grids;
- Point cloud;
- Bird view;
- Deep learning;
- Datasets for environment perception ;
- Embedded environmental perception;
- Advanced sensors for environmental perception;
- Perception systems and devices.

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### Guest Editor

Dr. Suzanne Lesecq

University Grenoble Alpes, CEA, Leti, F-38000 Grenoble, France

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### Deadline for manuscript submissions

closed (31 July 2024)



## Sensors

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**Impact Factor 3.5**  
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## About the Journal

### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

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