

## Special Issue

# Sensor-Based Navigation and Control with Applications

### Message from the Guest Editor

This Special Issue focuses on the navigation and control of autonomous robots moving in an unknown environment with unexpected obstacles. Mobile robots that can operate in a wide variety of scenarios with complex conditions are required, where the mobility is the key point to increase the degree of autonomy. This leads to the development of specific navigation systems that accommodate the requirements of each application. This Special Issue solicits high-quality contributions with consolidated and evaluated research related to sensor-based navigation and control systems. We invite the scientific community to provide theoretical and applied results in this promising investigation area. Topics of interest include but are not limited to the following:

- Mobile robots
- Navigation control
- Obstacle avoidance
- Autonomous vehicles
- Robotized vehicles
- Global navigation
- Remote control
- Fault diagnosis
- Robot sensing systems

Welcome to contribute.

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### Guest Editor

Prof. Dr. Josep M. Rossell

Department of Mathematics, Polytechnic University of Catalonia,  
Manresa, Spain

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### Deadline for manuscript submissions

closed (31 March 2021)



## Electronics

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CiteScore 5.3



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## About the Journal

### Message from the Editor-in-Chief

*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.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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manuscripts are peer-reviewed and a first decision is  
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