

Special Issue

Advanced Robotics and Autonomous Systems Technologies for Industry 5.0: Sustainable and Human-Centric Automation

Message from the Guest Editors

Digitalization is currently a heavily ongoing process in the industry, which entails leading production and industrial automation to a more effective and flexible process. Additionally, known in Europe as Industry 4.0 robotics, AI and connectivity are the focus. However, applying digital solutions to manufacturing processes raises new risks and issues which require solving. The Industry 5.0 paradigm does not replace or continue Industry 4.0—it comprises it. The aim of this [Special Issue](#) is to cover new approaches, methodologies, solutions and experiments on how to bring sustainability and a human-centric approach to an industrial process where digitalization and robotics are already applied. The topics of interest include, but are not limited to, the following:

- Advanced robotics;
- Autonomous systems in the industry;
- Autonomous vehicles in the industrial mobility;
- Machine learning for mobile robotics;
- Social robotics;
- Human-centric robotics;
- AI in robotics;
- Industry 5.0.

https://www.mdpi.com/journal/electronics/special_issues/Robotics_Autonomous

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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 guestedited by leading experts in selected topics of interest.

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