

## Special Issue

# Development Status and Prospects of Industrial Robots

### Message from the Guest Editor

The integration of robotics in manufacturing improves productivity, accuracy, repeatability, safety, and quality. Industrial robots are vital components in repetitive and tedious tasks, in dangerous environments, or in flexible manufacturing systems. More recent use of industrial, collaborative, and mobile robots in Industry 4.0 has led to a new age of smart manufacturing in which robots are integrated with other digital technologies such as artificial intelligence and the Internet of Things. The aim of this Special Issue is to collect high-quality research papers that address the development status and prospects of industrial robots, by covering a range of topics that include, but are not limited to, the following:

- Robots in manufacturing;
- Robots in other industrial fields, in medical fields, or in agriculture;
- Integration of industrial robots with machine vision, sensors, artificial intelligence, and Internet of Things;
- Collaborative robots;
- Soft robotics;
- Robot motion and control;
- Human–robot interactions.

I look forward to receiving your contributions.

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### Guest Editor

Dr. Vladimir Gurau

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### Deadline for manuscript submissions

closed (15 August 2024)



## Electronics

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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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