Advanced Robotics Applications in Industry

Guest Editors:

Prof. Dr. Nikolaos Papakostas

Prof. Dr. Lihui Wang

Prof. Dr. Dimitris Mourtzis

Dr. Sotiris Makris

Deadline for manuscript submissions:
closed (18 February 2022)

Message from the Guest Editors

Dear Colleagues,

This special issue "Advanced Robotics Applications in Industry" intends to increase the state-of-the-art related with industrial robot applications. We welcome the submission of papers on the topics including but not limited to the following:

- Novel industrial robot applications;
- Sensing and control in robotics;
- Modeling and simulation in robotics and automation;
- Advanced software frameworks for modeling and controlling robotics applications;
- Digital twins for robotics applications;
- Novel applications based on the robot operating system (ROS) framework;
- Robots and Industry 4.0 concepts;
- Mobile robotic platforms in manufacturing and logistics;
- Human–robot collaboration for manufacturing processes;
- Robotics technologies for joining processes;
- Advanced robot-based quality inspection and control applications;
- Safety in industrial robot applications;
- Advanced cyber-physical systems for industrial robot applications;
- Design and development of robot end-effectors;
- Learning and training for industrial robot applications.

Special Issue

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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