



Advances in Industrial Robotics and Intelligent Systems

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Message from the Guest Editors

Robotics, automation, control and mechatronics technologies have become essential to developing devices, machines, production lines and other activities that are repetitive, dangerous, difficult to perform and, in general, not suitable for human operators. Robotics and other related topics have seen a fast evolution in industry, services and other application areas. These systems are expected to operate in unstructured, unpredicted environments and deal with high-mix low-volume (HMLV) applications.

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This Special Issue aims to disseminate the latest research achievements, ideas and applications of robotics, control and automation, including, but not limited to:

- Fast setup of robotic systems;
- Programming robots based on CAD;
- Programming manipulators by demonstration;
- Autoadaptive and intelligent robotic cells;
- Transportable manipulators;
- Autonomous mobile manipulators;
- Mobile robot fleet management;
- Advanced sensing and perception;
- Motion control;
- Grasp planning;
- Trajectory planning in challenging environments;
- Applications of robots and mechatronics systems.





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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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