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Advances in Industrial and Collaborative Robots: Sensing and Actuation

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Deadline for manuscript submissions:

closed (31 July 2024)

Message from the Guest Editor

Dear Colleagues,

Today's advances in robotics promise to deliver autonomous systems that can work safely along with humans and improve our overall working conditions. Robot and mechatronics applications have rapidly expanded from the industrial environment to human assistance, enhancing the adaptation to surrounding environment. The scope of this Special Issue is to collect high-quality research that reports on recent advances and developments in sensing and actuation, designs sustainable robotic applications, and highlights the economic and social implications.

- collaborative robot
- machine learning
- energy efficiency in data processing and robot usage
- sensor for challenging applications
- robot perception and cognition
- safety and security implications in challenging environments
- service robot
- smart industries
- robot and mechatronic system interaction

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Dr. Nicola Pellegrini

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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