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# **Automated Guided Vehicle Integrated with Collaborative Robot**

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Deadline for manuscript submissions:

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## **Message from the Guest Editors**

Dear Colleagues,

The use of collaborative robots in industry is increasing. However, they are often used as stationary robots fixed to permanent assembly stations. Using collaborative robots at different locations in the production cycle can lead to increased production efficiency in bottlenecks as needed. An Automated Guided Vehicle can be used to move the robot to the assembly station with the highest need for robot handling, but such solutions require additional sensors for the AGVs to move the robot safely between assembly stations. In addition, once the robot has relocated, it must be adapted and positioned accurately to the new assembly station to perform its tasks safely and accurately. The collaborative robot should also be able to cooperate safely with staff and machines at the new assembly station.

Therefore, it is necessary to develop new and improved methods for integrating collaborative robots with AGVs and the necessary sensor systems.

The purpose of this Special Issue is to contribute to the state of the art in the field of Automated Guided Vehicles integrated with collaborative robots.













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