



Recent Advances in Industrial Robots

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Message from the Guest Editors

Dear Colleagues,

Today's industrial robots work in a wide range of industries for different applications, from metal forging and plastic forming to the production of semiconductors and automobiles, and still continue to rapidly evolve. This growth is driven largely by manufacturers that plan to use robots to tackle the looming shortage of skilled labor. Therefore, the recent advances in the development of industrial robotics demonstrated unique features.

Topics include but are not limited to:

- Intelligent industrial robotics;
- AI-enabled robotics;
- Cloud robots;
- Collaborative robots;
- Industrial Internet of Things (IIoT);
- Robotics and automation;;
- Computer architecture for robotics
- Computer vision for automation and manufacturing;
- Advanced sensing and navigation;
- Motion and path planning;
- Planning, scheduling and coordination;
- Human–robot collaborations;
- AR /MR in robotics;
- Digital twin for industrial robotics.





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Message from the Editor-in-Chief

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