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Path Planning and Control for Robotics

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Deadline for manuscript submissions:
closed (15 July 2023)

Message from the Guest Editors

Dear Colleagues,

To promote the innovation in robot path planning and control methodologies, this special issue is to solicit but not limit the following topics:

- Object recognition to promote cognitive robotics in path planning
- Human motion synthesis to develop the bionic robot
- Wireless sensor and actuator network used in path planning and control of robots
- Path planning for automation of surgery robot
- Nonholonomic system to mobile robotics
- Collision detection and path-planning in structured or unstructured environments
- Computational structure to support path planning and control
- Trajectory tracking and path planning
- Collaborative robot and robot motion-control
- Controllability of mobile robots for path planning
- Steering methods and topological optimization
- Supervised and unsupervised learning for environment survey and path planning

The deadline to submit papers to this special issue is 30 November 2022. However, papers submitted in advance will be peer-reviewed and may be published well before this deadline. For moe details, please click here.

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Special Issue

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Message from the Editor-in-Chief

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