



Advanced Sensing and Control for Mobile Robotic Systems

Guest Editors:

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Deadline for manuscript
submissions:

closed (16 March 2021)

Message from the Guest Editors

Dear Colleagues,

Recent technological developments have led to the widespread use of mobile robot systems, in a large scope of applications in transportation, manufacturing, self-driving automobile, commercial and domestic services, surveillance and medical care, providing an emerging market with great potential. While existing technologies are developing rapidly, great challenges and issues in mobile robotic systems research still lie in the following areas: 1) mobility, 2) robust control of actuators, 3) navigation and mapping, 4) robust perception and 5) human-robot interaction. These may involve more technical aspects of sensor fusion, navigation, feature extraction, collision avoidance and so forth. To address these challenges, more advanced technologies in sensing and actuation are essential.

This special issue intends to provide a platform to gather the recent development of mobile robot systems and the associated research. We welcome state-of-the-art research papers on mobile robotic systems.

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Message from the Editor-in-Chief

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