

## Special Issue

# State Estimation for Mobile Robotics

### Message from the Guest Editors

Robotic literature is often focused on advanced control strategies, and state estimation is often an afterthought when moving from simulation to experiment. This leads to many robotic platforms not being able to achieve their full potential. Typically, for a mobile robot, the state will include the position and velocity. Furthermore, it can include information such as joint forces and torques, center of masses, or even 3D maps. State estimation is the problem of estimating this state from sensor data and models. For most state estimation problems, there are no sensors that can directly measure them, and the sensors that can partially measure them are corrupted with noise. This Special Issue addresses all types of state estimation for mobile robotics.

Dr. Giuseppe Loianno

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### Deadline for manuscript submissions

closed (31 May 2022)



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