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Distributed Localization Algorithms in Multi-Agent Systems

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Message from the Guest Editor

Dear Colleagues,

Multiagent systems, such as collaborative robots, UAVs, and smart cars, are emerging in recent years. Localization is a critical foundation for the operation of multiagent systems. The smart agent is now widely equipped with different kinds of sensors onboard, including global positioning systems (GPS), inertial measurement units (IMUs), ultra-wide band (UWB) devices for accurate wireless ranging measurements, cameras, light detection and ranging (LIDAR) sensors, and radio detection and ranging (RADAR) sensors. The processing power of the agents is also developing very fast. Using the embedded CPU and GPU onboard, the agent can process the multimodel, multimedia sensing data collected from the sensors to conduct distributed location and mapping. This Special Issue focuses on distributed localization algorithms in multiple agent systems.

Dr. Yongcai Wang
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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