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Unmanned and Autonomous Surface Vehicles: Localization, Control, and Navigation

Guest Editor:

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Dear Colleagues,

We are seeing rapid advances in vehicle control and autonomous surface systems. Artificial-intelligencepowered systems are gaining mainstream acceptance due to the unique capabilities that they offer. Surface vehicles can be utilized in a wide range of contexts, including, but not limited to, transportation, industry, and warehouses. The unmanned or autonomous operation of such systems can offer tremendous functional benefits, such as higher safety and efficiency expectations in the deployment of connected and autonomous vehicles and improved traffic flow.

This Special Issue will cover topics including autonomous and unmanned vehicle control, safety countermeasures, safe interactions with objects and other road users, navigation, spatial awareness of surrounding environments, and key advancements in the sensors used in the control and navigation of unmanned and autonomous vehicles.

This Special Issue aims to disseminate cutting-edge research on several topics related to unmanned and autonomous surface vehicles, with a particular focus on localization, control, and navigation.

Specialsue



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