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Advance Technologies of Navigation for Intelligent Vehicles

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Message from the Collection Editors

The primary purpose of this Special Issue is to explore and display the latest achievements of theory and practice related to the advanced technologies of navigation for intelligent vehicles. The areas of interest include but are not limited to:

- Overview of intelligent vehicles;
- Signal processing methods and sensor modules for intelligent vehicles;
- Autonomous navigation in GPS-denied environments;
- Multi-sensor target localization and tracking;
- Autonomous decision making for game and cooperation;
- Cooperative path planning and re-planning for homogeneous/nonhomogeneous vehicles;
- Synchronization for large-scale networks of intelligent vehicles;
- Learning-based and bio-inspired control for complex tasks;
- Distributed optimization and parallel decision making;
- Fault tolerance and robustness in disturbed and uncertain environments;
- Artificial intelligence in swarm cooperative control;
- Deep learning for resource-constrained embedded vision sensor applications;
- Event-driven control strategies for silent and camouflaged intelligent vehicles.

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Message from the Editor-in-Chief

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