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Advanced Sensing for Connected and Automated Mobilities

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Message from the Guest Editors

This Special Issue aims to comprehensively explore the recent advancements in Advanced Sensing Technologies crucial for the progression of autonomous driving, encompassing topics such as Physical and Digital Infrastructure, AI, Deep Learning, Cooperative Fusion, and HD Maps. As autonomous vehicle technologies evolve, the pivotal role of advanced sensing becomes increasingly apparent, particularly in enhancing safety, perception, and overall system reliability.

Addressing challenges posed by factors such as interferences, weather conditions, and the limited field of view in existing sensor technologies, the Special Issue seeks innovative solutions by integrating advanced sensors.

Keywords encompass sensor fusion, sensor processing, multi-sensor integration, environmental perception, autonomous driving, Advanced Sensor Technologies, Physical Infrastructure, Digital Infrastructure, AI, Deep Learning, Cooperative Fusion, and HD Maps.

Contributions in these areas are encouraged to propel the field towards a future of intelligent, reliable, and context-aware autonomous driving.

For more information, please visit: mdpi.com/si/197101



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Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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