# **Special Issue**

# Al-Empowered Assisted and Autonomous Driving

## Message from the Guest Editors

The fast-paced development of AI technologies provides significant opportunities for vehicle intelligence. Al-empowered assisted and autonomous driving technologies are the latest developments in transportation. These advancements can redefine the mobility, safety, and efficiency of the transportation system. Assisted driving, also known as semiautonomous driving, leverages AI to enhance driver capabilities and vehicle performance. Al systems in these vehicles function as co-pilots, providing real-time assistance to the driver through Advanced Driver-Assistance Systems (ADASs). Autonomous driving takes the concept of AI in vehicles to the next level. Fully autonomous vehicles, also known as self-driving vehicles, operate without the need for human intervention.

At the brink of this technological revolution, Alempowered assisted and autonomous driving will transform our transportation networks. The marriage of Al and automotive technology is not only about convenience but about creating a safer, more efficient, and more inclusive mobility ecosystem for the future.

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#### Deadline for manuscript submissions

20 April 2026



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mdpi.com/si/227601

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