Special Issue

Wireless Technologies Applied to Connected and Automated Vehicles

Message from the Guest Editor

Connectivity and automation are two aspects that will jointly revolutionize transport systems. Although the latter aspect has had a larger media impact and might appear to be the core of the change, automation alone must rely on the partial information provided by short-range sensors and cannot support coordination among vehicles. With the aid of wireless communication, cars and trucks can see connected objects far away or behind an obstacle, can obtain information in advance about the route (congestion, weather), and can collaborate with each other to improve efficiency and safety. Although the time seems to be coming for mass deployment, still several issues remain to be solved, starting with the need for novel applications to boost innovation, the improvements required for an increase of throughput and coverage, to models and simulations able to validate all aspects of the system. Additionally, particular attention is also required for advanced security and positioning, which are key components of connected vehicles. For more reading, please access: mdpi.com/si/21981

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I encourage you to contribute research and comprehensive review articles for publication in Journal of Sensors and Actuator Networks (JSAN), an international, open access journal which provides an advanced forum for research findings in areas of sensors and actuators. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sensors and actuators and fostering applications of sensor-based measurements and effective actuator incorporation.

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