

Special Issue

Vehicular Computer Networks: Information Security, Connectivity and Algorithm Development

Message from the Guest Editors

The complexity of vehicles has grown significantly as a result of different expectations for modern cars. Trends like connectivity, autonomous driving, shared mobility services and the electrification of the powertrain have and will play a crucial role for the vehicle's electronic architecture, and these trends are sometimes referred to as CASE-strategy within the automotive world. Based on this, upcoming technical trends can be (fore)seen. To name a few, high-performance computers are introduced to cope with rising processing demands for automated driving functions, and AI based-algorithms are in particular intended to interpret the vehicle's environment in a safe and secure way. This Special Issue of Vehicular Computer Networks: Information Security; Connectivity and Algorithms will cover actual and upcoming technical approaches for (connected) vehicles with, but not exclusively, a special focus i) on the vehicle's security, ii) on the offboard and onboard connectivity and iii) on algorithmic aspects for, e.g., automated resp. autonomous functions.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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