Special Issue

Data Dissemination in Vehicular Networks

Message from the Guest Editors

This Special Issue is devoted to communication techniques for vehicular networks. Although research efforts mainly focus on safety applications (avoiding traffic accidents, autonomous driving, etc.), the demand for traffic of non-safety applications (computation offloading, vehicle software update, etc.) has rapidly increased in recent times. This involves communication among vehicles, pedestrians, and infrastructure. The vehicle-to-everything (V2X) communication can be realized by either cellular networks (LTE-V2X, 5G NR-V2X) or dedicated short-range communications (DSRC), such as IEEE 802.11p and its successor, IEEE 802.11bd. Communication efficiency of vehicular networks depends on several factors, such as resource allocation for avoiding interference, caching for avoiding redundant transmission, dynamic interface selection for avoiding congestion, etc. This Special Issue welcomes all submissions that help to improve data dissemination efficiency in vehicular networks, whose effectiveness is evaluated by theoretical analysis, simulation, or testbed experiments.

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.

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