Advances in Machine Learning Applications to Autonomous Vehicular Networks

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Message from the Guest Editors

Dear Colleagues,

Autonomous vehicular networks (AVNs) have experienced enormous attention from the research community and industry in the last decade. A plethora of applications can be accomplished by the cooperation and coordination of a fleet of vehicles that communicate with each other through wireless links. AVNs can be found both in aerial and aquatic scenarios for applications including monitoring and sensing, communication services, disaster relief, and goods delivery, among others. Many issues should be addressed in a distributed manner for the successful implementation of such applications.

Machine learning techniques have gained tremendous momentum in the last few years due to the availability of massive data and high computational resources at a low cost. However, classical machine learning approaches, such as supervised and unsupervised learning and evolutionary algorithms, work on centralized systems. Consequently, suffering synchronization and scalability problems in distributed systems like AVNs. This Special Issue will publish novel approaches of machine learning techniques for application in AVN scenarios.

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Special Issue

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Message from the Editor-in-Chief

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