



Vehicular Edge Computing and Networking

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Message from the Guest Editors

With the advent of intelligent transportation systems (ITS), which include vehicular ad-hoc networks (VANET) and smart cities connecting all parts of an urban environment, vehicles are part of the network by publishing and receiving information to and from other vehicles, infrastructure such as road side units (RSUs) and vulnerable road users (VRUs)—overall called V2X. RSUs can be connected to the internet and, through it, to the cloud. They can also play the role of edge devices if they have computing power—vehicular edge computing (VEC). VEC can provide and manage computational resources closer to vehicles and end-users, providing access to services at a lower latency and meeting the minimum execution requirements for services with geotemporal requirements.

In the context of vehicular networks, in addition to different types of applications, there are aspects related to the dispatch and routing of data packets, the quality of service and experience, and security and privacy, which still pose several challenges.





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Message from the Editor-in-Chief

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