UAV-Assisted Intelligent Vehicular Networks

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Message from the Guest Editors

Dear Colleagues,

We are on the cusp of a new era of intelligent transportation. As a key enabler for intelligent transportation systems (ITSs), vehicular networks encompass a broad range of information technologies, including vehicle-to-everything (V2X), mobile edge computing (MEC), cloud computing, and blockchain. Although vehicular networks offer improved performance with advanced services, the explosive growth of communication devices and the rising demand for many emerging services will bring new communication challenges to vehicular networks. It is anticipated that the communication systems integrated with unmanned aerial vehicles (UAVs) will satisfy these requirements in next-generation vehicular networks. Due to their high flexible mobility, UAV-assisted vehicular networks will bring far-reaching and transformative benefits with significantly enhanced reliability and security; extremely high data rates; massive and hyper-fast wireless access; as well as much smarter, longer, and greener three-dimensional (3D) communications coverage.

Special Issue

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Message from the Editor-in-Chief

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