

## Special Issue

# AI-Based Vehicular Network toward 6G: Machine Learning and Sensors Approaches

### Message from the Guest Editor

In recent years, vehicular networks have become more and more heterogeneous, complex, and dynamic, making it difficult to satisfy communication requirements of next-generation (6G) applications, including ultralow latency, high throughput, high reliability, and high security. Current vehicular networks are calling for new technological innovations in the field. In this context, machine learning (ML), in particular deep learning (DL), has emerged as a powerful approach to optimize the efficiency and adaptability of vehicle and wireless communication. However, how to adapt vehicular networks (and their respective communication protocols) to exploit machine learning approaches represents an open research question. Additionally, whether data handling has to be done on board (centralized processing), or delegated to more powerful external nodes (distributed processing), remains unknown. This Special Issue encourages authors from academia and industry to submit new research results about novel machine learning approaches to enable AI-based vehicular networks toward 6G.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 October 2023)



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### Message from the Editor-in-Chief

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