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Secure Integration of Artificial Intelligence (AI) and Autonomous Vehicular Networks

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

The application of artificial intelligence (AI) technologies can provide significant benefits for automating sensing, computing, and communication tasks in autonomous vehicular networks.

This Special Issue specifically focuses on the latest advances, challenges, and approaches to the secure integration of AI and autonomous vehicular networks. We encourage original and high-quality contributions that address both the theoretical and practical aspects of the above challenges. Topics of interest include, but are not limited to:

Deep learning and reinforcement learning for autonomous vehicular networks;
Edge learning and distributed machine learning for autonomous vehicular networks;
Privacy-preserving federated learning for AI-enabled autonomous vehicular networks;
New network architecture for AI-enabled autonomous vehicular networks;
Sensing data falsification and countermeasures for AI-enabled autonomous vehicular networks;
Cyber physical system security for AI-enabled autonomous vehicular networks;
Intrusion detection and incident response for AI-enabled autonomous vehicular networks;
Data security and privacy preservation for AI-enabled autonomous vehicular networks;

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Special Issue

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Message from the Editor-in-Chief

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