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Blockchain-Enabled Privacy Preserving for Intelligent Transportation Systems

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Deadline for manuscript
submissions:

closed (15 December 2023)

Message from the Guest Editor

With further developments in Internet of Things (IoT) technology, intelligent transportation systems (ITS) have greatly advanced in effective traffic management. However, risks and challenges regarding safety and privacy have emerged, necessitating the development of disruptive technologies for future ITSs to meet the growing security requirements.

As a decentralized and trustworthy solution, blockchain technology has been widely used in various academic and industrial areas. With potential capabilities, the blockchains enable a transparent and traceable way of storing and sharing information, thus enabling secure communication between vehicles. Blockchain-based privacy-preserving solutions and strategies can thus ensure effective ITS implementations.

This Special Issue will focus on advanced research regarding the potential applications of blockchains in intelligent transportation systems. Topics include:

- Blockchain-based security, privacy, and trust;
- Blockchain architectures, protocols, and algorithms;
- Vehicle communications;
- Privacy preservation;
- Internet of vehicles;
- Intelligent transport system;
- Vehicular networks.



mdpi.com/si/125045

Special Issue



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Message from the Editor-in-Chief

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