Special Issue

Blockchain-Based Internet of Vehicles

Message from the Guest Editors

Blockchain-based Internet of Vehicles (IoV) is a paradigm that integrates blockchain technology within the IoV ecosystem, transforming the way vehicles communicate and share data.

The IoV, powered by blockchain, enables the seamless and tamper-proof recording of vehicle data, including location, speed, and maintenance history. The decentralized nature of blockchain eliminates a single point of failure, enhancing the resilience and reliability of the IoV.

By fostering a transparent and secure data-sharing ecosystem, blockchain-based IoV holds the potential to revolutionize transportation systems. It can improve traffic management, enhance safety through real-time information sharing, and facilitate new business models (such as decentralized ride sharing and peer-to-peer vehicle transactions). As technology continues to evolve, the synergy between blockchain and IoV promises a future where vehicles operate in a more interconnected, efficient, and secure manner.

Guest Editors

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Message from the Editor-in-Chief

Future Internet is a fast-growing journal devoted to rapid publications of the latest results in the general areas of computer networking/communications and information systems, with a focus on the Internet of Things, big data and augmented intelligence, smart systems (in terms of technologies, architectures, and applications), network virtualization, edge/fog computing, and cybersecurity. Both theoretical and experimental papers are welcome. Every year, *Future Internet* also features Special Issues dedicated to specific topics within the journal's scope.

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