

## Special Issue

# Blockchain-Enabled Privacy Preserving for Intelligent Transportation Systems

### 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.

---

### Guest Editor

Dr. Qichao Xu

School of Mechatronic Engineering and Automation, Shanghai University, Shanghai 200444, China

---

### Deadline for manuscript submissions

closed (15 December 2023)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/125045](https://mdpi.com/si/125045)

*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)





# Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)



## About the Journal

### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

---

### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro  
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

#### Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)