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Challenges and Future Trends for Sensing Technology in Blockchain Network

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Message from the Guest Editor

Dear Colleagues,

Sensors networks are increasingly used in several domains (industrial, healthcare, home automation, transportation control, etc.) to collect and share data among users and systems. Due to resource constraints (computing power, memory...), the data collected by sensors often need to be stored on remote systems. There is an increasing need for solutions to ensure the secure exchange and storage of collected data to guarantee their privacy when needed, integrity, access by authorized users only, etc. Blockchains and distributed ledgers offer promising solutions from this perspective. This call targets work related to challenges in designing blockchain-based solutions for the security of sensor networks at various levels.

Topics of interest include, but are not limited to:

- Blockchain integration in sensor network systems
- Smart contracts
- IoT and blockchain
- AI and blockchain
- Data collection, storage, sharing, protection
- Attacks detection
- Information retrieval
- Information assurance
- System architecture
- System security
- Healthcare supply chain
- The 4.0 industry



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Special Issue



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Message from the Editor-in-Chief

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