



Blockchain/DLT: Opportunities, Challenges and Solutions for Smart Cities

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editor

Dear Colleagues,

Blockchain and other trustless systems have turned into mainstream phenomena that are seen as powerful game-changers for many industries. The characteristics of blockchain and DLTs (distributed ledger technologies), such as immutability, security, and programmability, offer numerous opportunities for creating solutions that enable and foster the development of smart cities. Examples include, but are not limited to the application of smart contracts to facilitate transactions, the creation of novel services and applications, the deployment of innovative security and privacy solutions, as well as the reorganization of the public sector (e.g., governmental spending transparency).

For this Special Issue, we invite papers that describe and explore the application of blockchain and related technologies in smart cities. Furthermore, we are interested in empirical research that explains the implications of blockchain in this context. We will publish papers that clearly outline how those technologies have been applied; what the rationale for their application was and, finally, what the outcome was.

Prof. Horst Treiblmaier
Guest Editor





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Message from the Editor-in-Chief

As urban environments continue to evolve, Smart Cities serves as a key platform for sharing innovative research that addresses the complexities of modern urban life. Our journal provides a space for interdisciplinary dialogue and knowledge exchange on the latest advancements in smart city technologies and practices. We prioritize research that not only pushes the boundaries of scientific understanding but also has practical implications for improving urban living, sustainability, and governance.

We welcome contributions from diverse fields that bring fresh perspectives to urban challenges, from smart infrastructure and IoT integration to data-driven decision-making and sustainable development. Through a combination of rigorous peer-review and rapid publication, we aim to disseminate impactful research that fosters the development of smarter, more resilient cities.

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