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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

Smart Cities provides an advanced forum for the dissemination of information on the science and technology of smart cities. It publishes reviews, regular research papers (articles) and communications in all areas of research concerning smart cities. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers so that the full experimental results can be reproduced. Manuscripts regarding research proposals and research ideas are particularly welcome.

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