

Transactions on Blockchain Technology and Applications

<http://vdlit.io/tIndex.html>

Special Issue on Advances in Blockchain and Internet-of-Things

Internet of Things (IoT) has been delivering a plethora of services across several sectors, from climate, intelligent transportation, smart cities and agricultures to vertical industries. Security and trust management is a major issue in the IoT system, which needs to be tackled before wide deployment and application of these IoT services. Blockchain is a promising technology to achieve the desired level of security and trustworthiness without depending on a centralized party in a trustless environment. This exactly fits into the basic feature and architecture of an IoT system. However, blockchain technology is still in its infancy, suffering from various issues, such as efficiency, availability, scalability, privacy, security and safety. These open research issues motivate us to explore and investigate advanced solutions for securing IoT. This special issue is devoted to the most recent developments and research outcomes addressing the related theoretical and practical aspects on blockchain in IoT, and aims to provide worldwide researchers and practitioners an ideal platform to innovate new solutions targeting at the corresponding key challenges.

Topics of interest include, but are not limited to:

- Blockchain based key management and access control
- Blockchain based architecture and framework for IoT
- Blockchain based solutions for IoT applications
- Applications of blockchain in IoT
- Distributed trust management
- Anonymity and privacy solutions for blockchain in IoT
- Threat and attack models for blockchain in IoT
- Novel blockchain consensus mechanism in IoT

Submission Guidance:

All papers need to be submitted electronically through the website (<http://vdlit.io/tCFP.html>) with PDF format. Authors should select “Blockchain and Internet-of-Things” when they reach the “Article Type” step in the submission process.

Papers must be clearly presented in English, must be single-space, double-columned with fonts no smaller than 10, must not exceed 12 pages, including tables, figures, references and appendices. The Latex template can be found at <http://vdlit.io/assets/images/TB/TBlockchainTemplate.zip>. Papers will be selected based on their originality, significance, relevance, and clarity of presentation assessed by at least three reviewers.

More information about this new journal can be found here: <http://vdlit.io/tIndex.html>

Copyright and License Information:

Transactions on Blockchain Technology and Applications is an open-access peer-reviewed journal that allows the author to retain the copyright in their articles. We require sufficient rights to allow us to distribute submitted articles in perpetuity. In order to submit an article to this journal, the submitter must grant us a non-exclusive and irrevocable license to distribute the article, and certify that he/she has the right to grant this license. Note that this license agreement is the same as that used by arXiv.org (<https://arxiv.org/help/license>).

Important Dates:

Paper submission: August 31st, 2019

Acceptance notification: December 31st, 2019

Final papers: February 28th, 2020

Guest Editors:

Yulei Wu, University of Exeter, UK

Zheng Yan, Xidian University, China & Aalto University, Finland

Peter Muller, IBM Zurich Research Laboratory, Switzerland

Laurence T. Yang, St. Francis Xavier University, Canada