

Call for Papers

International Journal of Information Security

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Special Issue on Security and Privacy of Blockchain Technologies

Blockchain technology is perceived as one of the most promising techniques with its characteristics of decentralization, openness and tamper-resistance. Numerous studies have investigated blockchain technologies for specific application domains, such as Internet of Things, cyber physical systems, edge computing, social networking, and other fields. However, there is neither consensus regarding their integration nor agreed best practice regarding their application to blockchain technology with robust security and privacy in these application domains. Therefore, this special issue invites original research that investigates state-of-the-art solutions for secure and privacy-aware blockchain technologies as well as novel blockchain-based applications with robust security and privacy. Potential topics include, but are not limited to, the following:

- Access Control and Blockchain Security
- Applications of Blockchain Technologies
- Anonymity and Privacy on Blockchain
- Blockchain and Bitcoin Security
- Blockchain and Trust Management
- Blockchain based Solutions for IoT Security
- Blockchain in Cyber Physical Systems
- Blockchain in Edge and Cloud Computing
- Blockchain in Social Networking
- Data Mining Security on Blockchain
- Forensics on Blockchain
- New Threat Models, Attacks and Countermeasures on Blockchain Technologies
- Robust Systems based on Smart Contract and Distributed Ledger

Paper Solicitation

This issue is an open special issue for which everyone is encouraged to submit papers.

Papers from the 2018 IEEE Conference on Dependable and Secure Computing (DSC 2018) relevant to the security and privacy of blockchain technologies are particularly welcome.

Each selected paper must be substantially extended, with at least 40% difference from its conference version.

Each paper (including the selected papers from the conference) will go through a rigorous peer-review process by at least three international researchers.

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Important Dates

Manuscript submission deadline: April 01, 2019

Notification of Acceptance/Rejection/Revision: June 30, 2019

Final Manuscript Due: August 31, 2019

Reviewers

Reviewers are experts in relevant research areas from all over the world.



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