

The First International Symposium on Security and Privacy in Blockchain (SPB 2022)

Scope and Topics of Interest

With the decentralized, transparent and immutable properties, blockchain is regarded as an essential fundamental for real-time, cost-effective and cross-border transaction. Beyond the cryptocurrency (e.g., Bitcoin, Ethereum, and many others), many industrial sectors embrace the blockchain technology to change their business model. Typical applications include banking, supply chain, energy trading, smart cities and so on. Security is the most important objective for the design of blockchain, and we expect that the system is soundness even in the presence of malicious nodes or several nodes are not available to achieve consensus. In addition, privacy is another key constraint that hinders the blockchain application designs, because blockchain data are public and shared among participants. As such, in order to better support emerging blockchain applications with security and privacy guarantee, we call for novel top quality research on the progress and exchange experience in blockchain research, including fundamental theories, basic models and algorithms, as well as different use-cases and applications.

The topics include, but are not limited to, the following:

1. Security, privacy and trust of blockchain and distributed ledgers;
2. Secure and privacy smart contract;
3. Distributed consensus and fault tolerance schemes;
4. Privacy-enhancing technology for blockchain-based applications;
5. Blockchain-based trust and regulation mechanisms;
6. Cryptocurrency
7. Financial systems and blockchain
8. Blockchain enabled new business systems, models and applications

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Important dates

1. Submission Deadline May 15, 2022
2. Author Notification June 20, 2022
3. Conference Date August 22-25, 2022 Espoo, Finland

Submissions

Author Instructions

All papers need to be submitted electronically through the EDAS website (<https://edas.info/N29711>) with PDF format. Submitted papers must not substantially overlap with papers that have been published or that are simultaneously submitted to a journal or a conference with proceedings. Papers must be clearly presented in English, must not exceed 6 pages in IEEE Computer Society proceedings format (or up to 8 pages with the pages over length charge), including tables, figures, references and appendices. The limit length of accepted papers should be 6 pages with at most 2 extra page charge.

Papers will be selected based on their originality, significance, relevance, soundness of technology, and clarity of presentation assessed by at least three reviewers. All submitted papers will be judged through double-blind reviews, where the identities of the authors are withheld from the reviewers. As an author, you are required to preserve the anonymity of your submission, while at the same time allowing the reader to fully grasp the context of related past work, including your own. Papers that do not conform to our double-blind submission policies will be rejected without review.

Submission of a paper should be regarded as a commitment that, should the paper be accepted, at least one of the authors will register and attend the conference to present the work. IEEE Blockchain 2022 reserves the right to exclude a paper from

distribution after the conference (e.g., removal from the digital library and indexing services), if the paper is not presented at the conference. All accepted papers will be published in IEEE CPS proceedings (EI Indexed) and collected by IEEE Xplore Digital Library.

Guideline of Double-blind Submission

- Remove the names and affiliations of authors from the title page.
- Remove acknowledgments.
- Remove project titles or names that could be used to trace back to the authors via web search.
- Carefully name your files to anonymize author information.
- Carefully refer to related work, particularly your own. Do not omit references to provide anonymity, as this leaves the reviewer incapable of grasping the context. Instead, reference your past work in the third person, just as you would any other piece of related work by another author. For example, instead of "In prior work [1], we presented a scheme that ...," sentences in the spirit of "In prior work, Clark et al. [1] presented a scheme that ..." should be used. With this method, the full citation of the referred paper can still be given, such as "[1] A. Clark ..., "Analysis of...", and it is not acceptable to say "[1] Reference deleted for double-blind review."
- The submitted manuscript or its title/abstract should not be posted on a public website, such as arxiv.org, or transmitted via public mailing lists.
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- Many of the editing tools automatically add metadata to the generated PDF file containing information that may violate the double-blind policy. Please remove any possible metadata that can link your manuscript to you. This includes removing names, affiliation, license numbers etc. from the Metadata as well as from the paper. Failing to meet this requirement may also lead to a rejection without review.