

1st IEEE International Workshop on Cryptocurrency Exchanges (CryptoEx 2023)

Co-located with IEEE Int'l Conference on Blockchain and Cryptocurrency (ICBC 2023), Dubai, May 5, 2023

The first IEEE International Workshop on Cryptocurrency Exchanges (CryptoEx 2023) will be held in conjunction with the IEEE International Conference on Blockchain and Cryptocurrency (ICBC 2023, <https://icbc2023.ieee-icbc.org/>) on May 5, 2023 in Dubai, UAE. The workshop is co-sponsored by IEEE Communications Society, POSTECH Center for Crypto Blockchain Research (CCBR), Blockchain Law Society of Korea, and Coinone.

Bitcoin was the first cryptocurrency introduced in 2009 as a means of global electronic payment. Since then many cryptocurrencies were created to support not only electronic payments but also for various other purposes, including utility tokens, security tokens, and stablecoins. There are thousands of cryptocurrencies present in the market today. These cryptocurrencies can be purchased, sold or traded at cryptocurrency exchanges. There are mainly two types of crypto exchanges, centralized (CEX) and decentralized (DEX). Recently, these crypto exchanges have been providing more than trading cryptocurrencies to their customers including DeFi services, custody services, NFT marketplaces and so on.

This inaugural workshop aims at providing an international forum for researchers and developers of services in cryptocurrency exchanges. CryptoEx 2023 will combine original paper presentations with quick hot topic poster presentations and a panel discussion to thoroughly explore this challenging area.

Topics of interest

Authors are invited to submit papers that fall into or are related to the topic areas listed below:

- Centralized Crypto Exchanges (CEX)
- Decentralized Crypto Exchanges (DEX)
- DeFi (staking, lending, borrowing, flash loan)
- Crypto Arbitrage
- KYC/AML
- FATF Travel Rule Compliance
- Stablecoins
- Non-Fungible Tokens (NFT)
- Fractional NFT
- SoulBound NFT
- Liquidity Pools
- AMM (Automated Market Making)
- CBDC (Central Bank Digital Currency)
- DACS (Digital Asset Custody Service)
- Digital Signatures
- Wallets
- Security Attacks
- Support for multi-chain transactions
- Trading and Withdrawal Fees
- Innovative Services
- Operations and management

PAPER SUBMISSION

Paper submissions must present original, unpublished research or experiences. Late-breaking advances and work-in-progress reports from ongoing research are also encouraged. Each submission must be written in English, accompanied by a 75 to 200 word abstract that clearly outlines the scope and contributions of the paper, and a list of key words. There is a length limitation of 6 pages (including title, abstract, all figures, tables, and references) for regular conference papers, 4 pages for short papers and 2 pages for posters describing work in progress. Submissions must be in IEEE 2-column style. Papers exceeding these limits, multiple submissions, and self-plagiarized papers will be rejected without further review.

Authors should submit their papers (full or short) in PDF to EDAS via <https://edas.info/N30298>.

PROCEEDINGS

Papers accepted for CryptoEx 2023 will be included in the conference Proceedings, IEEE Xplore, and EI Index. The IEEE reserves the right to remove any paper from IEEE Xplore and EI Index if the paper is not presented at the conference.

Awards will be presented to the best paper and to the best student paper at the workshop. Furthermore, we plan to work with a leading journal, such as Wiley's IJNM, to solicit extended versions of the best papers of CryptoEx 2023 to be submitted for a fast-track special issue.

IMPORTANT DATES

- Paper submission due: January 13, 2023
- Notification of acceptance: February 27, 2023
- Final version of papers due: March 24, 2023
- Workshop date: May 5, 2023

WORKSHOP ORGANIZERS

Chair: James W. Hong, POSTECH, Korea
TPC Co-Chairs: Jaepil Ko, Coinone, Korea
Andreas Veneris, U. of Toronto, Canada
Hongtaek Ju, KMU, Korea
Taeyeol Jeong, SHOPX Labs, USA
Panel Chair: Andreas Park, U. of Toronto, Canada
Poster Chair: Myung-Sup Kim, Korea Univ., Korea
Publicity Chair: Mi-Jung Choi, KNU, Korea
Publication Co-Chairs: Chaehyeon Lee, Changhoon Kang, POSTECH, Korea

