Workshop Encouraging Building Better Blockchain Security (WEB3SEC)

The second annual WEB3SEC workshop will be held Monday, December 4, 2023, in conjunction with the
Annual Computer Security Applications Conference (ACSAC). ACSAC will be held at the AT&T Conference Center in Austin, Texas.

For further details about WEB3SEC, please visit the workshop website at www.web3sec.ws or at https://www.acsac.org/2023/workshops/WEB3SEC/. For questions, please contact questions@web3sec.ws

Call for Papers

WEB3SEC brings together blockchain and security researchers, practitioners, industry experts to discuss novel improvements to the security of blockchain systems. Topics of discussion include security techniques and approaches that can serve as building blocks for better distributed ledgers.

In structure, WEB3SEC follows the traditional open format primarily based on submitted and reviewed work; accepted publications will appear in the WEB3SEC proceedings. Areas of interest include, but are not limited to, the following:

- Design/analysis of distributed consensus protocols
- Secure multiparty computation
- Distributed algorithms for data sharing/collaboration
- Formal verification of distributed algorithms
- Secret sharing schemes in distributed systems
- Reputation systems and trust management
- Decentralized identity and access management
- Secure user-centric privacy-preserving techniques
- Distributed decision making and voting protocols
- Cryptography for distributed systems
- Decentralized finance (DeFi) security
- Cross-chain transaction security
- Bridging protocols and interoperability vulnerabilities
- Smart contract exploitation and post-mortems
- Accountability and forensics in distributed Systems
- Detecting blockchain anomalies using machine learning
- Blockchain data availability, security, and integrity
- Layer-2 solutions and potential vulnerabilities
- Blockchain scalability and security trade-offs
- Quantum-computing threats to blockchain
- Blockchain use in securing IoT
- Security of network protocols

Submission Instructions

Submissions should be at most 6 pages excluding references, and use the double-column ACM proceedings format (acmart) template here, with the [sigconf, anonymous] options.

Please submit your manuscript via EasyChair at the submission link.

Reviewing will be double-blind. Author names and affiliations should not appear in the paper, and authors should make a reasonable effort not to reveal their identities or institutional affiliation.

Authors and Program Committee members are required to indicate any conflict of interest. Advisors and those that they are advising, as well as authors and PC members with an institutional relationship are considered to share a conflict of interest. Professional collaborations within the past 2 years or close personal relationships also constitute a conflict of interest.

You may contact the PC chairs at tpc@web3sec.ws

Publication

The accepted workshop papers and slides will be published on the ACSAC website.

Important Dates

Submission Deadline:
Sep 30, 2023

Notification Deadline:
Nov 10, 2023

Camera-Ready Deadline:
Nov 17, 2023

Workshop Date (co-located with ACSAC 2023):
Dec 4, 2023

Organizing Committee

General Chairs : gc@web3sec.ws
Hans Behrens, Topl

Program Chairs : tpc@web3sec.ws
James Aman, Rice University

PC Members
TBD

Workshop Registration

If you are interested in attending, please check off the appropriate box on the conference registration form and add in the Workshop Encouraging Building Better Blockchain Security (WEB3SEC) Workshop fee.

The ACSAC registration page can be found at: https://www.acsac.org/2023/registration/

For accepted papers, at least one author must attend. Visa invitation letters will be extended upon request to registered attendees in accordance with standard ACSAC policies.