

Call for Papers: Workshop Encouraging Building Better Blockchain Security (WEB3SEC 2024)

Overview The third annual WEB3SEC workshop will be held on Monday, December 9, 2024, in conjunction with the Annual Computer Security Applications Conference (ACSAC) in Waikiki, Hawaii. This event provides a dedicated platform for blockchain and security experts to share insights and innovations in enhancing blockchain systems' security.

Workshop Website For further details about WEB3SEC, please visit the workshop website at www.web3sec.ws or at <https://www.acsac.org/2024/workshops/WEB3SEC/>.

For questions, please contact questions@web3sec.ws or contact the General Chair at or dragan.bosovic@asu.edu

Call for Papers Description WEB3SEC invites researchers, practitioners, and industry experts to submit papers on advancements in blockchain security. The workshop seeks contributions that propose novel security techniques and approaches, serving as foundational elements for improved distributed ledgers.

Topics of Interest

- Cryptography for Distributed Systems
- Distributed Consensus Protocols
- Decentralized Identity and Access Management
- Account Management and Key Security
- Secure User-Centric Privacy-Preserving Techniques
- Data Privacy in Decentralized Systems
- Blockchain Data Availability, Security, and Integrity
- Smart Contract Exploitation and Post-mortems
- DeFi Security
- Secure Multiparty Computation
- Layer-2 Solutions and Potential Vulnerabilities
- Blockchain Scalability and Security Trade-offs
- Quantum-Computing Threats to Blockchain
- Cross-chain Transaction Security
- Bridging Protocols and Interoperability Vulnerabilities
- Decentralized Decision Making and Voting Protocols
- Reputation Systems and Trust Management
- Detecting Blockchain Anomalies using Machine Learning
- Supply Chain Security using Web3
- Oracle Security and Reliability
- Random Number Generation (RNG) in Web3
- Economics of Security in Web3
- Usability and Security Trade-offs
- Regulations and Compliance for Web3 Security

Submission Instructions Submissions must be a maximum of 6 pages, excluding references, formatted in double-column ACM proceedings style (acmart) with [sigconf, anonymous] options. Submit manuscripts via EasyChair using the <https://easychair.org/my/conference?conf=web3sec1>.

Review Process The review process is double-blind. Submissions must not include author names or affiliations, and efforts should be made to obscure identities.

Conflict of Interest Authors and PC members must disclose any conflicts of interest, including advisory or institutional relationships or collaborations within the past two years.

Publication Accepted papers and presentations will be available on the ACSAC website.

Important Dates

- **Submission Deadline:** Oct 6, 2024
- **Notification Deadline:** Nov 10, 2024
- **Camera-Ready Deadline:** Nov 17, 2024
- **Workshop Date:** December 9, 2024

Organizing Committee

- **General Chair:** Dragan Boscovic, Arizona State University
- **Program Chairs:** Khaled Salah, Khalifa University
- **Organizing Chair:** Saleha Jaweid, Topl
- **PC Members:** TBD

Registration Register via the ACSAC 2024 Registration Page. Ensure to add the WEB3SEC workshop fee. Visa invitation letters are available upon request for registered attendees.

Attendance At least one author of each accepted paper must attend the workshop.

Join us for a stimulating exchange of ideas at WEB3SEC 2024 in the beautiful setting of Hawaii!