Arizona, USA, November 14-16, 2022

IEEE BC-SDN 2022

The 1st IEEE International Workshop on Blockchain-enabled Solutions for NFV and SDN (IEEE BC-SDN 2022)

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Workshop Organizers

Prof. Khaled Salah
Khalifa University of Science and Technology, UAE

Dr. Muhammad Habib ur Rehman
King's College London, UK

Prof. Junaid Arshad
Birmingham City University, UK

Technical Program Committee

will be held on November 14-16, 2022, in Arizona, USA, co-located with IEEE NFV-SDN 2022 (nfvsdn2022.ieee-nfvsdn.org). Blockchain continues to gain huge traction, growth, and adoption across many domains and industries. Blockchain value lies in providing transactions and access to data in a trusted, secure, transparent, tamper-proof, and decentralized manner with no intermediaries. This workshop aims at congregating academic researchers and industry practitioners to share their research in showing how blockchain and distributed ledger technologies can be leveraged for Network Function Virtualization (NFV), Software Defined Networking (SDN), and future generation networks. We are interested in original works on providing novel, trusted, secure, auditable, and automated management platforms, systems and solutions for NFV, SDN, and emerging generation networks including 5G, 6G, and 7G. We welcome papers on the integration of blockchain with key architectural components, systems, and technologies that support and facilitate NFV/SDN infrastructure and services.

Our Topics of Interest (not limited to)

- Blockchain for NFV management and orchestration
- Trustworthy and decentralized NFV-SDN architectures, platforms and operations
- Blockchain-based traceable resource allocation and configuration in SDN/NFV
- Crypto-based automated payment in SDN
- Decentralized blockchain multi-SDN control plane
- Blockchain-based network slicing integrity
- Applications of NFTs in creating digital assets in SDN
- Blockchain-based access control, authentication, and authorization in SDN
- Blockchain-based identity management, privacy, and reputation for public SDN
- Securing IoT transactions, data, and communications over SDN networks
- Decentralized protocols and configuration f or supporting IoT devices in SDN
- SDN-aware Decentralized Applications (DApps)
- Reliability and blockchain-based controller recovery in SDN

Paper Submission

Authors are invited to submit original workshop papers. We solicit the submission of high-quality papers reporting original and novel research results. Papers must be written in English. All submissions are blind peer-reviewed. Accepted papers will appear in the IEEE NFV-SDN 2022 Conference Proceedings, and be published by the IEEE Computer Society Conference Publishing Services and be submitted to IEEE Xplore for inclusion.

Important Dates

Submission deadline	September 04, 2022
Notification of acceptance	October 01, 2022
Camera-ready papers due	October 09, 2022

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