Special Session: Demos of Blockchain Applications

Scope and Motivations:

With the onset of decentralized applications, the blockchain technology has risen to new popularity and significance. Thanks to the smart contract aided blockchain infrastructures, the applications are not only limited in the field of cryptocurrencies, but reach far beyond finance and crypto. Nowadays, potential applications of blockchain have been advanced to a wide range of distributed networks for secure, integrated, and auditable data management, ranging over Internet of Things, 6G communication networks, social networks, and even more other networks. In this context, the past decade has witnessed a significant amount of investment in the development of blockchain applications, which has profoundly revolutionized government, finance, health, and education. In view of the blooming blockchain ecosystem, this special session is dedicated to providing a high-profile and leading-edge forum for researchers and developers to demonstrate the blockchain applications from academia, company, and industry.

Topics:

Submissions may range from early research demos to mature production-ready blockchain applications in the form of publicly available open-source and open-access systems. The topics of interest include, but are not limited to:

- Anomaly detection in Blockchain
- Blockchain in IoT/Industrial IoT
- Blockchain in education
- Blockchain in healthcare
- Blockchain for copyright certification
- Blockchain for resource trading
- Blockchain for supply chain
- Blockchain for shipment tracking
- Blockchain for judicial authority
- Blockchain for edge and cloud computing
- Blockchain and identity authentication/access authorization
- Blockchain-based AI (e.g., Blockchain-based federated learning)
- Blockchain and Oracle
- Blockchain for 5G-Advanced and 6G
- Blockchain standardizations and protocols
- Blockchain-based trust and regulation mechanisms

- Decentralized applications in Web 3.0 (e.g., DeExchange, Defi, GameFi, etc.)
- Decentralized crowdsourcing
- Decentralized social networks
- Decentralized storage
- Efficient data analysis in Blockchain (e.g., sketches for Blockchains)

Submission Guideline:

Each submission must include a demo proposal in the form of a 1-page poster with landscape A0 size, preferably incorporating a demo title, authors and affiliations, and a demo description. The demo proposals will be peer-reviewed based on contributions, novelty, quality, and clarity. Submissions must be in English and are only accepted in PDF.

Important Dates:

Poster submission deadline: September 1, 2023
Notification of acceptance: October 15, 2023
Camera-ready poster due: October 31, 2023
Presentation of the demos: December 17-21, 2023

General Co-Chairs:

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