



Title of the special session:

Blockchain and its Applications in Fog Computing

Aim and scope:

A blockchain is a growing list of records, called blocks, that are linked using cryptography. Each block contains a cryptographic hash of the previous block, a timestamp, and transaction data. Fog computing is a decentralized computing infrastructure in which data, compute, storage and applications are located somewhere between the data source and the cloud. As fog computing uses decentralized architecture that is not sufficient to handle sensitive transactions, blockchain-based technology has raised hopes in implementing applications in trust-less environments. This session motivates researcher to contribute their work to solve the following issues of blockchain based fog computing.

1. A problem of resource allocation in fog computing using blockchain.
2. Issues of blockchain scalability in Fog computing.
3. Pricing issues of blockchain in Fog Computing.

Topics of the special session

1. Resource allocation algorithms and mechanisms of fog computing
2. Consensus mechanisms to increase scalability of blockchain in fog computing
3. Efficient algorithm for pricing in fog computing
4. SWOT analysis of blockchain technology in fog computing
5. Energy consumption implications in blockchain based fog computing

Chairs of the special session:

Dr. Shanti Verma, L. J. Institute of Computer Applications, Ahmedabad,
Gujarat, India

Dr. Rinkal Sardhara, L. J. Institute of Computer Applications, Ahmedabad,
Gujarat, India



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