



IEEE Pune Section

IEEE Pune Blockchain Group

Blockchain Symposium

2nd Feb 2024

Dr. Sonali Patil
Chair- IEEE Pune Blockchain Group

Professor and Head, Department of IT
Pimpri Chinchwad College of Engineering (PCCOE)
Pune, Maharashtra, India

IEEE Blockchain Group

- **IEEE Blockchain:** The objective of the IEEE Blockchain Technical Community (**BCTC**) is to serve as a **collaboration hub** to **facilitate and lead** educational, technical, and standards development across the multi-disciplinary communities interested in **blockchain, distributed ledgers, and related technologies.**
- **IEEE Blockchain Local Group:** Forms a **global network** of professionals interested in networking, collaborating, learning, sharing, and advancing technology.

IEEE Pune Blockchain Group

- **Formed** in end of September 2023

- **Who can be a part of it:** professionals interested in networking, collaborating, learning, sharing, and advancing technology

- **Activities Planned:**
 - Symposium
 - Workshops
 - Colloquium Series – Every month one talk
 - Hackathon

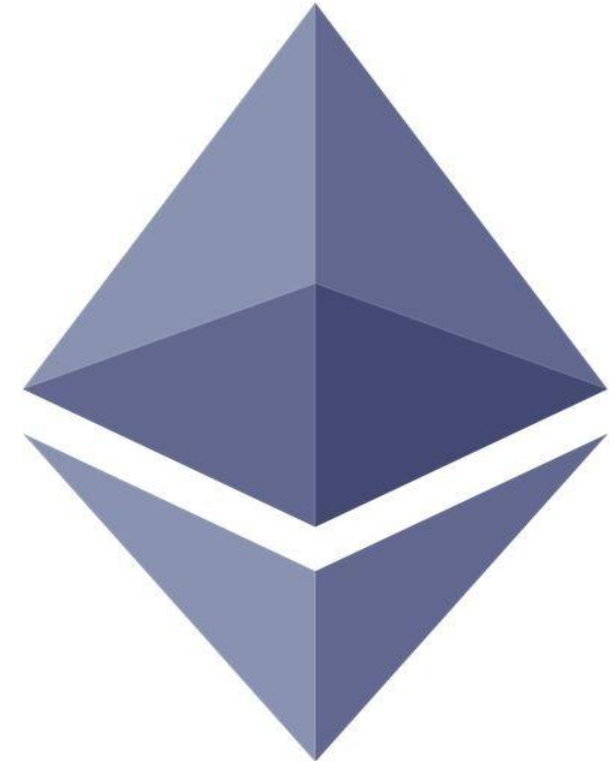
Blockchain Symposium

- <https://blockchain.ieee.org/conferences>
- To **bring together** Blockchain, and related technology industry experts, academic researchers to showcase and discuss the latest advancements, opportunities and challenges in these fields.
- The symposium aims to **inspire and connect attendees, foster collaborations** and accelerate the development and adoption of Blockchain and Immersive technologies.

Blockchain is ?



Bitcoin



Ethereum

Blockchain Evolution

- **Blockchain 1.0:** Store and transfer of value- **Cryptocurrencies** (E.g. Bitcoin, Ripple, Dash)
- **Blockchain 2.0:** Programmable via **smart contracts** (E.g. Ethereum)
- **Blockchain 3.0:** Enterprise Blockchain- **Decentralized Applications** (IOTA, R3 Corda)
- **Blockchain 4.0:** Business usable blockchain environment- **Industry 4.0** (E.g. Web 3, Metaverse)
- **Blockchain 5.0:** decentralized platform to users while also incorporating human emotions through the use of **Artificial Intelligence**. (E.g. Hashgraph)

Symposium Focused Areas



- Energy transition with Blockchain
- Blockchain Based Federated Learning
- Interoperability
- Identity Management
- Tokenization of Real World Assets
- Metaverse
- Decentralized AI
- **Talks, PoCs, Demonstrations, Panel**

Opportunities

- Blockchain market is **growing exponentially** across various industries and regions.
- Dire need of **Critical Thinkers, Designers and Developers**.
- We have **an Infrastructure** that can allow us to just do things **Completely Differently**.
- We have a **platform** to come together and contribute!



Thank You!!!