

IEEE GLOBAL BLOCKCHAIN CONFERENCE

21-23 August 2024 // Shanghai, China

Transforming a Trustworthy Digital Future

CALL FOR PAPERS AND PROPOSALS

Welcome to the IEEE Global Blockchain Conference 2024, where we're 'Transforming a Trustworthy Digital Future' with IEEE President-Elect and ACM Vice President. Led by the EiCs of top journals such as IEEE TDSC, IEEE TMC and IEEE Network, the technical program includes six tracks and a variety of tutorials and workshops. IEEE GBC 2024 also features a series of visionary keynotes, panels, and discussions from top minds to shape the future of blockchain.

INDUSTRY PANELS AND EXHIBITION

Proposals are sought for panels, presentations and demos related to issues facing the broader blockchain industries.

TUTORIALS

Proposals are invited for half- or full-day tutorials in all blockchain and Web 3.0 topics.

WORKSHOPS

Proposals are invited for half- or full-day workshops in all blockchain and Web 3.0 topics.

IMPORTANT DATES

Submission Open : 1 Feb 2024
 Submission Due : 1 Mar 2024
 Acceptance Notification : 1 July 2024

Tutorial Proposal : 30 Jan 2024
 Workshop Proposal : 30 Jan 2024
 Panel & Demo Proposal : 15 Feb 2024

TECHNICAL TRACKS

Track1: Blockchain Consensus, Performance & Scalability

Consensus Mechanisms, Game Theory, Sharding, Peer-to-Peer Networks, Distributed Databases, Cross-Chain Mechanisms, Formal Verifications, On-Chip Acceleration, and other System Aspects of Blockchain Technology.

Track2: Blockchain for Real-World Applications

Central Bank Digital Currency & Electronic Payment, Trusted Data Elements Circulation, Policy-making, Geo-Network Navigation, Digital City Planning, Smart Agriculture, Blockchain Spacetime, and other Innovative Uses.

Track3: Security for Blockchain, Blockchain for Security

Hardcore Security for Future Blockchain and Blockchain for Future Security, e.g., Multi-Party Computation, Post-Quantum Public Key Algorithms, zk-SNARK, Private Set Intersection, Smart Contract Security, Consensus Security, Network Security, and dApps Security.

Track4: Communications Network Infrastructures & DePIN

Decentralized Physical Infrastructure Networks, Cloud/Edge Computing, Computing Force Network, 6G/F6G, Wireless Communications, DeWi, Internet Architecture, Internet of Things, Infrastructure Security, O-RAN and Cyber-Physical Systems.

Track5: Integration of Blockchain, Data Elements & AI

Blockchain Empowerment of Data Elements, Machine Learning, Deep Learning, Federated Learning, Large Language Models, Confidential Computing, AI Security, AI Entities, AI Autonomous Agents, AI Ethics, Generative AI, and Interdisciplinary Researches.

Track6: Blockchain for Web 3.0 & Metaverse Ecosystems

Metaverse, Smart Contracts, NFTs, RWA Tokenization, Incentive Mechanisms, Privacy-Preserving, Distributed Identity, Digital Assets, dApps, DeFi, Ordinals, Payment Channels, Decentralized Finance, Verifiable Credentials, Zero-Knowledge Proofs, Industrial Web 3.0, Trust Management, Digital Governance, Blockchain Policy-Making, GDPR, & Social Impacts.

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