

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 are “Transforming a Trustworthy Digital Future” with IEEE President, IET President and ACM Vice President. Led by Editors-in-Chief of top journals such as IEEE TDSC, IEEE TMC, IEEE TIFS 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. *The authors of selected papers from the conference will be invited for possible publication in IEEE Network and more.*

• INDUSTRY PANELS AND EXHIBITIONS

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

• WORKSHOPS AND TUTORIALS

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

IMPORTANT DATES

Submission Open:	1 Feb 2024	Submission Due:	28 Mar 2024	Acceptance Notification:	1 July 2024
Tutorial Proposal:	April 2024	Workshop Proposal:	April 2024	Panel & Demo Proposal:	April 2024

TECHNICAL TRACKS

- Track1: Blockchain Consensus, Performance & Scalability
- Track2: Blockchain for Real-World Applications
- Track3: Security for Blockchain, Blockchain for Security
- Track4: Communications Network Infrastructures
- Track5: Integration of Blockchain, Data Elements & AI
- Track6: Blockchain for Web 3.0 & Metaverse Ecosystems

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**上海区块链应用服务
工程技术研究中心**
Shanghai Engineering Research Center
for Blockchain Applications And Services

TRACK CO-CHAIRS (in alphabetic order)

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



Decentralized Physical Infrastructure Networks, Computing Force Network, Cloud/Edge Computing, Wireless Communications, 6G/F6G, 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-preservation, 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 and Social Impacts.