

# 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:	<b>1 Feb. 2024</b>	Submission Due:	<b>28 Mar. 2024</b>	Acceptance Notification:	<b>1 July 2024</b>
Tutorial Proposal:	<b>April 2024</b>	Workshop Proposal:	<b>April 2024</b>	Panel & Demo Proposal:	<b>April 2024</b>

### 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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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 dApp Security and dApps.

## 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, Confidential Computing, Machine Learning, Deep Learning, Federated Learning, Large Language Models, 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.