

# 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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# TRACK CO-CHAIRS (in alphabetic order)

## Track1: Blockchain Consensus, Performance & Scalability



**Xiaotie Deng**  
IEEE/ACM Fellow  
Peking University



**Sisi Duan**  
Tsinghua University



**Giancarlo Fortino**  
IEEE Fellow  
Univ. of Calabria



**Liehuang Zhu**  
Beijing Institute  
of Technology

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



**Ashish Kundu**  
IEEE Fellow  
Cisco Systems



**Jie Li**  
IEEE Fellow  
Shanghai JiaoTong Univ.



**Keqiu Li**  
IEEE Fellow  
Tianjin University



**Jiang Xiao**  
Huazhong Univ. of  
Sci. and Tech.

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



**Elena Ferrari**  
IEEE/ACM Fellow  
Univ. of Insubria



**Zhiqiang Lin**  
IEEE Fellow  
Ohio State University



**Qian Wang**  
IEEE Fellow  
Wuhan University



**Yinqian Zhang**  
Southern Univ. of  
Sci. and Tech.

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



**Mauro Conti**  
IEEE Fellow  
Univ. of Padua



**Schahram Dustdar**  
IEEE Fellow  
Vienna Univ. of Tech.



**Song Guo**  
IEEE Fellow  
HKUST



**Daneil Xiapu Luo**  
Hong Kong PolyU

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



**Lin William Cong**  
Cornell University



**Huawei Huang**  
Sun Yat-sen Univ.



**Cong Wang**  
IEEE Fellow  
Hong Kong CityU



**Bin Xiao**  
IEEE Fellow  
Hong Kong PolyU

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



**Xiuzhen Cheng**  
IEEE Fellow  
Shandong Univ.



**Konstantinos Stylianou**  
The Univ. of Glasgow



**Wei Wang**  
Beijing Jiaotong  
University



**Yan Zhang**  
IEEE Fellow  
Xidian University

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.