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:	**20 Apr. 2024**	Acceptance Notification:	**1 July 2024**
Tutorial Proposal:	**20 Apr. 2024**	Workshop Proposal:	**20 Apr. 2024**	Panel & Demo Proposal:	**20 Apr. 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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Lei Zhang, The University of Glasgow
Shuguang (Robert) Cui, IEEE Fellow, CUHK-Shenzhen

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IEEE IEEE BLOCKCHAIN 同济大学 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

Giancarlo Fortino
IEEE Fellow
Univ. of Calabria

Liehuang Zhu
Beijing Institute of Technology

Sisi Duan
Tsinghua University

Xiaotie Deng
IEEE/ACM Fellow
Peking University

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

Jiang Xiao
Huazhong Univ. of Sci. and Tech.

Jie Li
IEEE Fellow
Shanghai JiaoTong Univ.

Keqiu Li
IEEE Fellow
Tianjin University

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

Qian Wang
IEEE Fellow
Wuhan University

Yinqian Zhang
Southern Univ. of Sci. and Tech.

Zhiqiang Lin
IEEE Fellow
Ohio State Univ.

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

Daniel Xiapu Luo
Hong Kong PolyU

Mauro Conti
IEEE Fellow
Univ. of Padua

Schahram Dustdar
IEEE Fellow
Vienna Univ. of Tech.

Song Guo
IEEE Fellow
HKUST

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

Bin Xiao
IEEE Fellow
Hong Kong PolyU

Cong Wang
IEEE Fellow
Hong Kong CityU

Huawei Huang
Sun Yat-sen Univ.

Lin William Cong
Cornell University
NBER & IC3

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

Konstantinos Stylianou
The Univ. of Glasgow

Wei Wang
Beijing Jiaotong University

Xiuzhen Cheng
IEEE Fellow
Shandong University

Zheng Yan
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.

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