



The British Blockchain Association
Advocating Evidence Based Blockchain

BBA's 6th Blockchain International Scientific Conference ISC2024:

A Global Convention of Leading Academics and Industry Leaders

Ground-Breaking Research Papers and Thought-Provoking Industry Panels featuring regulators ad were the highlight of the ISC2024 – Jointly hosted by SUSS and The BBA, on 19 April 2024 in Singapore



ISC2024: SPEAKERS FROM

The British Blockchain Association
SPEAKERS FROM

6TH BLOCKCHAIN INTERNATIONAL SCIENTIFIC CONFERENCE

19 APRIL 2024 | SINGAPORE
8.30AM - 4.30PM | CARLTON HOTEL SINGAPORE

Strategic Partners:

Logos include: Citi, Western Sydney University, Erasmus University Rotterdam, RMIT University, Standard Chartered, SUSS, NWU, Loyola Marymount University, GSR, Arkreen, Heriot Watt University, The JBBA, GenoBank.io, Rakkar, Axelar, DigiFT, SUSSNIFT, CEBCD, and Global Fintech Institute.

Singapore, April 19, 2024: The 6th Blockchain International Scientific Conference (ISC2024), an initiative of the British Blockchain Association (BBA), was hosted this year in Singapore, in collaboration with the Singapore University of Social Sciences (SUSS). The ISC2024 welcomed an impressive panel of experts and researchers to discuss specific technological advancements, industry and societal opportunities, and the regulatory challenges associated and emerging Web3 and blockchain technologies.

Opening the conference, **Professor Robbie Goh**, Provost of SUSS, welcomed local, regional, and international delegates, with invited academic speakers, from around the world, attending to present an overview of their ISC committee-selected, academic paper abstracts.



Professor Robbie Goh, Provost, Singapore University of Social Sciences

Abstract Overview

- **Daniel Liebau** from Erasmus University, The Netherlands, presented a thought-provoking session on the impact of DeFi on financial services and the competencies needed for professionals in this field.
- **Prof Dr Sinclair Davidson FBBA** from RMIT University, Australia, outlined the nature of Decentralised Autonomous Organizations (DAOs), exploring the characteristics and functionalities of DAOs, and discussing their potential applications and challenges.
- **Dr Vasily Sumanov** from Powerpool Protocol, Cyprus, presented a token classification framework that considers the origins of value and *mechanisms of manifestation*. His

research aimed to provide a comprehensive understanding of token classification and its implications for the blockchain ecosystem.

- **Timileyin Abiodun** from the University of Johannesburg, South Africa, shared his architectural design of a blockchain-powered carbon trading system, presenting a case study of the South African carbon market, highlighting the potential of blockchain technology in revolutionising carbon trading.
- **Dr Darcy Allen** from RMIT University, Australia, was represented by Prof Dr Sinclair Davidson at the session, with a session that discussed the simple institutional crypto economics of shared security.
- **Dr Bharath Ramesh PhD** from Western Sydney University, Australia, presented a scalable decentralised federated learning framework for confidential chatbots. His research aimed to address the privacy concerns associated with chatbot interactions by leveraging blockchain technology.
- **Daniel Uribe** from Genobank.io, USA, introduced a decentralised data trust approach for ethical genomics management. He discussed the empowerment of families in the genomic era through the secure and transparent management of genomic data.
- **Dr Beatah Sibanda PhD** from North-West University, South Africa, assessed the readiness of the South African public sector for blockchain technology. Her research aimed to identify the challenges and opportunities for implementing blockchain solutions in the public sector.
- **Prof Dr Oleksandr Letycheskyi PhD** from Heriot-Watt University, UK, presented different models of crypto projects and their properties.
- **Dr Xia Chongwu** from SUSS, Singapore, explored the revolution towards decentralising physical infrastructure in cryptocurrencies. He discussed the potential of blockchain technology in transforming physical infrastructure and its implications for the future of cryptocurrencies.

Opening the afternoon session, attendees also had the privilege of hearing from **Prof Dr Naseem Naqvi MBE**, President of the British Blockchain Association and Co-Founder of The Journal of the British Blockchain Association, where he outlined the process of writing and publishing academic blockchain research papers. He shared tips and strategies on Web3 researchers can maximise the impact of their work. His session detailed how to structure a paper, adhering to academic standards, and navigating the peer-review process. Conference participants, many of whom are academics and researchers in the blockchain space themselves, gained valuable insights on how to craft and how to go about successfully publishing impactful scholarly contributions.

Associate **Professor Justina Tan**, Vice President of Strategic Partnerships & Engagement at SUSS, and Deborah Cleary, Head of Partnerships at the BBA, also introduced delegates to their respective ecosystems, and the student, partner, member, and sponsor advantages of collaborating with both SUSS and the BBA.

The conference also featured keynote speeches by **Prof Zvi Wiener** from The Hebrew University of Jerusalem and **Prof Philip Chmielewski** from Loyola Marymount University. Prof Wiener discussed the collaboration between finance and technology in developing productive FinTech solutions, while Prof Chmielewski explored the ethical considerations in FinTech.

Mr Jag Foo from Safeheron and Leo Lin from Arkreen also spoke, presenting innovative solutions for Institutional-Grade Multi-Party Computation (MPC) Self-Custody Solution for Digital Assets, and DePIN for regenerative finance digital infrastructure, respectively.

Panel Discussions

Digital Finance: Navigating the Future of Digital Assets and Tokenizations was moderated by **Dr Andrzej Gwizdalski**, Co-Founder and Chairman of WAWEB3, with the panel featuring **Choo Haiping** from Citi, **Guo Junxiu** of Elven, **Dr Steven Hu** from Standard Chartered, and **Henry Zhang**, CEO of DigiFT. Their insights complemented the conference's overarching theme of exploring blockchain's transformative potential across industries and borders.

Navigating Security and Compliance in the Web3 Ecosystem was moderated by **Dr Lo Swee Won**, Deputy Director of SUSS Node for Inclusive Fintech, with panellists included **Arthit Sriumporn** from Rakkar Digital, **Alvin Chia** of Northern Trust, **Jag Foo** from Safeheron, and **Shawn Lim** of Axelar Network. Their expertise offered invaluable insights into the complex landscape of security and compliance within the Web3 ecosystem.

Fireside Chat

The day ended with an impressive fireside chat, on the theme of ***Driving Next Gen Financial Services and Innovation Without Borders***, with **Sopnendu Mohanty**, Chief Fintech Officer at the **Monetary Authority of Singapore (MAS)**, and **Prof David Lee Kuo Chuen**, Professor at Singapore University of Social Sciences (**SUSS**). Their insightful discussion explored current experiences and the future of financial services and innovation, from a global context.

Awards

The ISC2024 also recognized excellence in blockchain research through the Fellowship Awards Ceremony and the Best Abstract Awards Ceremony. These ceremonies celebrated the contributions of researchers and scholars in advancing the field of blockchain technology.

Dr Bharath Ramesh PhD, from Western Sydney University, was winner of the Best Abstract Awards, with **Prof Dr Sinclair Davidson from RMIT University**, Australia, being conferred as a **Fellow of the British Blockchain Association (FBBA)** by BBA President, Prof Dr Naqvi.

BBA Ecosystem Overview

BBA's Head of Partnerships, **Deborah Clearly**, presented an excellent overview of BBA's global ecosystem, which comprises of CEBB, The JBBA, BAF, APPG, FBBA, ISCs, UKNBR, BBA Student Forum, Metaverse HQ, and a host of other world-class initiatives, and how our members benefit from BBA's global network of members, partners and ambassadors.

Closing Remarks

Both **Prof Dr Naseem Naqvi MBE FBBA**, President of the British Blockchain Association and **Prof David Lee Kuo Chuen FBBA**, Professor at SUSS and Advisory Board, BBA and Editor, JBBA, delivered the conference's closing remarks, each expressing their gratitude to the speakers, participants, and teams of organisers for their valuable contributions to the conference.

For more information please visit www.britishblockchainassociation.org or follow the BBA on <https://www.linkedin.com/company/britishblockchain/>

(Conference pictures on next page)



Deborah Cleary, BBA's Head of Partnerships

THE BBA ECOSYSTEM

NATIONAL BLOCKCHAIN ROADMAP



ISC
6TH BLOCKCHAIN
INTERNATIONAL
SCIENTIFIC CONFERENCE



CEBB Centre for
Evidence-Based Blockchain

THE JBBA THE JOURNAL OF THE
BRITISH BLOCKCHAIN
ASSOCIATION

BLOCKCHAIN
ASSOCIATIONS FORUM



appg
BLOCKCHAIN TECHNOLOGIES
All-Party Parliamentary Group

FELLOWSHIP
of
The British Blockchain Association
of The United Kingdom (FBBA)

- **CEBB (evidence-based think-tank)**
- **The JBBA (peer-reviewed journal)**
- **UK NBR (Blockchain Roadmap)**
- **BAF (51 Countries collab. Forum)**
- **ISC (International Conferences)**
- **Fellowships (FBBA)**
- **Metaverse (Web3 Headquarters)**
- **APPG Secretariat (Parliament)**
(All-Party Parliamentary Group on Blockchain)



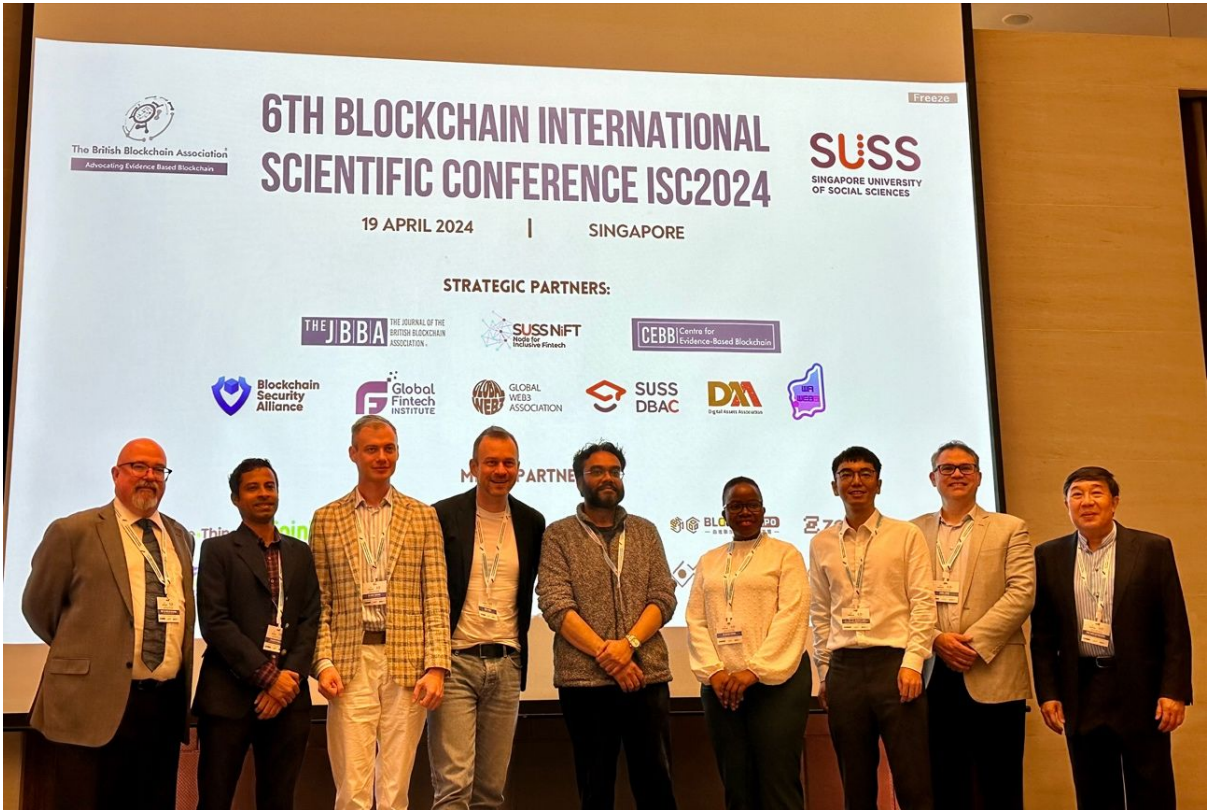


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BBA's Global Ecosystem





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Conference Chair, Professor Dr Naseem Naqvi MBE