

EDITORIAL

It gives me great pleasure to present to you the 8th issue of *The Journal of the British Blockchain Association* (The JBBA).

This is a special edition featuring the *Excellence Standards Framework of UK's National Blockchain Roadmap (NBR)*, published by the Centre for Evidence Based Blockchain (CEBB) in July 2021. As countries around the globe begin to work on their national DLT strategy, it is paramount that policies are made based on high quality evidence, backed by peer reviewed scientific research. To put together this roadmap, the Centre for Evidence Based Blockchain undertook an analytical review of over 5000 blockchain research papers, evidence synthesis of more than 2000 DLT case studies and multi-stakeholder, strategic consultations with enterprises, academics and the policymakers over an 18 months period.

The journal continues to publish cutting-edge research on topical issues related to crypto assets and distributed ledger technologies. The papers featured in this issue are:

1. Consortium Capabilities for Enterprise Blockchain Success
2. Blockchain-hosted Data Access Agreements for Remote Condition Monitoring in Rail
3. Principles of Natural Resource Economics for Bitcoin
4. Blockchain Network as a Platform: Conceptualising its Adapted Layered Architecture Design

Cryptocurrencies' Proof of Work energy consumption has been a topic of significant interest to environmental activists, policymakers, and green energy advocates. The paper from Goorha on Bitcoin mining attempts to establish principles of natural resource economics for bitcoin and should hopefully provide an impetus for further exploration. I believe the question here is not that Bitcoin consumes energy; the question is, "Is the bitcoin energy consumption appropriate and fair for its operations, being one of the world's largest digital asset infrastructure that is securely maintained without a trusted third party?"

The challenges of establishing an effective blockchain consortium is an important debate. What makes a DLT consortium successful? How do we know it has been successful? The paper by Koffman et.al, sheds some light on the capabilities for the formation of an effective blockchain consortium.

Supply chain, transport and logistics have been one of the best explored use cases for Blockchains. The paper by Alzahrani et.al, on Blockchain hosted data access for remote rail monitoring is an exciting new area for further research in the use of DLT for transportation.

Blockchain applications are often a multi-layered stack and it is essential for a DLT solution to conceptualise its layered architecture design in order to understand the synergies among different layers and the external adaptability to business systems – something that is explored in the research from Runyu Shi of University of Warwick.

One of the most pressing questions in the DLT space right now is: "What ethical values do we uphold as a blockchain professional?" - British Blockchain Association has recently put forward the "Standards Charter" outlining the 12 'Codes of Conduct' for a blockchain professional. It is our moral, ethical, and legal obligation to act honestly with the stakeholders, be accountable to the society, and have a life-long commitment to highest standards of professional competence and excellence.

The journal continues to expand its global operations and editorial board. In the past three months, we have added over a dozen external reviewers as well as contributing to the global dialogue on evidence-based adoption

of blockchain. Our plain language infographics have become so popular that they are being discussed during university lectures and policy meetings around the globe!

On this note, I would like to thank all our editors, reviewers, authors, readers, managerial staff, PR and communications teams, journal's academic partners – as well as JBBA's friends and well-wishers for their continued support of the journal.

I would very much welcome your feedback – please do write to us at editorial@thejbba.com with your suggestions on how to improve the quality and reach of the JBBA.

Yours truly

Dr Naseem Naqvi FRCP FBBA

Editor in Chief

President, The British Blockchain Association

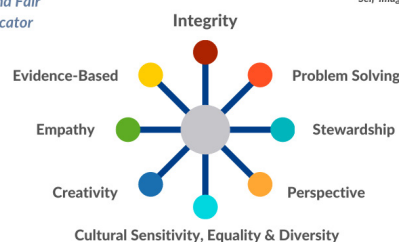
Chair, Centre for Evidence Based Blockchain (CEBB)

The Standards for a Blockchain Professional

What **VALUES** and **ETHICS** do we uphold as a Blockchainer?

Professional Charter & Codes of Conduct

Act Honestly, Fairly and with Integrity with Clients, Colleagues, Regulators and Public
Commit to the Highest Standards of Professional Competence
Long term Commitment to Excellence and Innovation
Due Diligence and Evidence-Based Decision Maker
Be Accountable and Responsible to Stakeholders
Obligations to the Society and Environment
Collaborate and Build Trust with Clients
A Team Player with a Growth Mind-set
Obligations to the Profession
Impartial, Objective and Fair
An effective Communicator
A Life-Long Learner



CEBB Centre for Evidence Based Blockchain

The British Blockchain Association
Advancing Evidence Based Blockchain

THE JBBA
THE JOURNAL OF THE
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Image source:

<https://britishblockchainassociation.org/wp-content/uploads/2021/07/Blockchain-Charter-Code-of-Ethics-and-Conduct.png>