Session 2: Future Applications and Regulations

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Talks

- Blockchain in action

  Shiping Chen, CSIRO'S Data61, Australia

- Know-your-transactions: Crypto Compliance and Transaction Monitoring

  Donghai Liu, Hyperlab, Australia

Talk1: Blockchain in Action
Data61 Blockchain R&D

- IETF RFC on Blockchain Interoperability: Gateway identification for interoperable blockchains

- Referable NFT

- Design Patterns of blockchains

   https://research.csiro.au/blockchainpatterns/

- Redbelly blockchain

- Simulation platform for analysing security of blockchains.

     A Simulation Approach for Studying Behavior and Quality of Blockchain Networks

- Energy Blockchain to address energy water, ensure fairness and improve data security and privacy

- Macrokey: Identity management

- iCertificate: Smart certificate system

- Blockchain for cotton supply-chain

Discussions and Questions

- What are some killer blockchain applications

- Motivation of blockchains: Rationality vs Maliciousness

- How to motivate cotton growers to use blockchains?

- Anonymity of miners in blockchain transactions

Talk2: Know-your-transactions: Crypto Compliance and Transaction Monitoring

- Major Crypto disasters, like FTX etc.

- Where is crypto coming from: source of currency

- Reputation for Wallets

- Anti-money laundering services: AML risk report, illicit path tracing, real time tracing, case investigation.

- All addresses have risk scores

- Liquidity monitoring

Discussions and Questions

- What is the incentive of wallet providers to blacklist addresses?

- What are the suggestions for regulators?

- How mixing services hinder analysis?

- Privacy techniques might not be suitable for analysis of certain cryptocurrencies like Monero, Zcash.

- Questions around regulation and technology?

Questions?