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Interests:

Distributed Systems

Distributed Consensus

Randomized Protocols



Research Questions

Q1: What is the impact of DCSs on provider networks?

- **Outcomes: (a) insights on mechanisms & (b) quantifications**
- **Case : Distributed Ledgers – Ethereum**
- **draft-trossen-rtgwg-impact-of-dlts-01.txt**
- **draft-mcbride-rtgwg-bgp-blockchain-01.txt**
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Q2: What network innovations could reduce the impact of the issues identified in Q1?

- **Outcomes: (a) design of network mechanisms & (b) quantification of improvements**

Q3: How could the presence of network innovations inform/guide better designs for DCSs?

- **Outcomes: (a) design of new DLT mechanism(s) & (b) quantification**