data-provisioning
iexec
scalability
oracles
redchainlab
security
cloud-computing
standardization
decentralization
blockchain-trilemma
events
interoperability
collusion-resistance

Matthieu BETTINGER

About me

Matthieu BETTINGER

- INSA-IF 2021

- Double-degree with Uni. Passau

2021 projects:

- *"Collusion-Resistant Worker Set Selection for Transparent and Verifiable Blockchain-Based Voting"* with Lucas Barbero & Omar Hasan

- *"Blockchain interoperability – Cross-chain oracles with Decentralized Cloud Computing"* with iExec, INSA Lyon & Uni.Passau

2022–2024:

- PhD thesis on *"Blockchain interoperability & composability"* in RedChainLab

Summary

- **iExec Decentralized Cloud Computing**

- **Using blockchains to secure applicative protocols**
  - *"Collusion-resistant worker set selection"*

- **RedChainLab**

- **Oracles: Connecting blockchains & the outside world**
  - Theory & Practice
  - Standardization & Interoperability
  - Data provisioning trade-offs
  - *"Oracles with Decentralized Cloud Computing"*

- **Project/Practical work**

Goals

- Real-world applications of blockchain/smart contract technology, how they secure protocols

- Trustworthy data provisioning issues and countermeasures

- Event-based programming with Solidity/Web3J(S)