Empirical User Studies of a Smartphone-Based Access-Control System

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Joint work with Lujo Bauer, Lorrie Cranor, Rob Reeder and Kami Vaniea.

Research question

- How well does a deployed smartphonebased access-control system match users' needs?
- Do users make more or less secure access-control decisions when using Grey than when using physical keys?

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- Ideal Policy Policy the user would enact if not restricted by technology
- Based on interview data
- Looked at not only what was enacted but endeavored to determine why



Ideal conditions

- True (can access anytime)
- Logged
- Owner notified
- Owner gives real-time approval
- Owner gives real-time approval and witness present
- Trusted person gives real time approval and is present
- False (no access)

















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