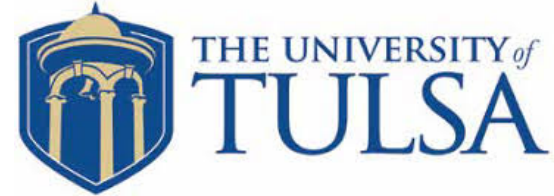


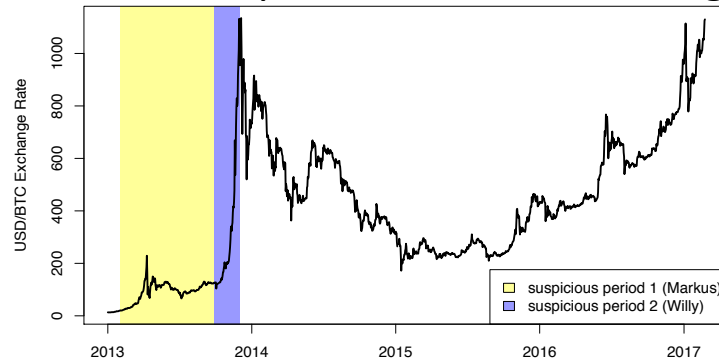
# Examining the Impact of Cybersecurity Shocks on Cryptocurrency Platforms



## Challenge:

- Security lapses threaten viability of cryptocurrencies
- How do cyber shocks affect cryptocurrency platforms?

## Price manipulation: insider trading



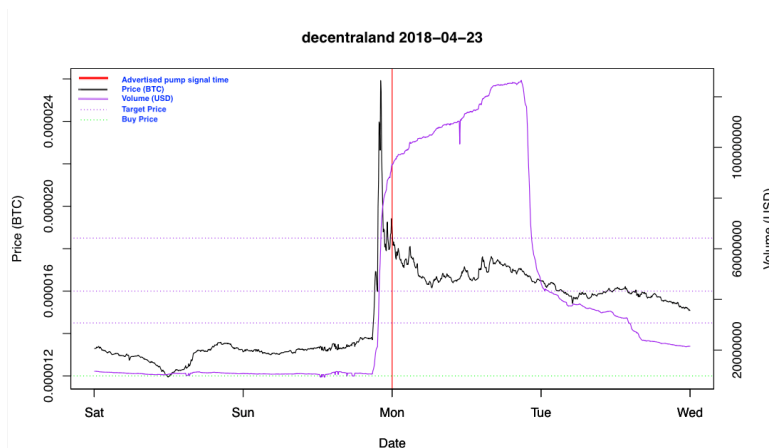
## Scientific Impact:

- Quantifies prevalence and impact of new attacks on cryptocurrencies
- Unprecedented transparency sheds light on familiar financial frauds

## Solution:

- Gather and analyze longitudinal data on shocks, combined with public trading data
- Econometric analysis to identify prevalence and profitability of attacks

## Price manipulation: pump & dump



## Broader Impact:

- Findings aid regulators and operators to combat financial frauds
- Help protect broader financial system from adverse contagion
- For cryptocurrencies to attract mainstream adoption, must root out rampant criminality

PI: Tyler Moore, Award: 1714291  
Contact: [tyler-moore@utulsa.edu](mailto:tyler-moore@utulsa.edu)  
BSF-NSF joint program  
Israeli PI: Neil Gandal, Tel Aviv University