Reading Questions for Tuesday, April 2, 2019

We ask you to submit comments on the following papers by midnight Monday April 1:

- Finding The Greedy, Prodigal, and Suicidal Contracts at Scale.

- ZEUS: Analyzing Safety of Smart Contracts.

- A Survey of Attacks on Ethereum Smart Contracts.

Your comments should include both answers to the specific reading questions and generic response about the papers. You are welcome to include any questions you have about the paper in your comments. After submitting your own comments, you'll be able to see others' submitted comments. You can comment on others' submissions and answer raised questions on Canvas. Discussion on Canvas is strongly encouraged.

1   Reading Questions

"A Survey of Attacks on Ethereum Smart Contracts"

1. Why are the implementations of smart contracts particularly prone to errors in Ethereum? What could be done to improve them?

2. Which Ethereum vulnerability do you find most worrying?

"Finding the Greedy, Prodigal, and Suicidal Contracts at Scale" and "Zeus: Analyzing Safety of Smart Contracts"

3 Which of these two approaches for detecting and remedying smart contract vulnerabilities seems most convincing? Why?

2   Generic Response

Respond to the papers following the guidelines in the course syllabus (under "Submit Comments and Presenting Papers").