

# Ethereum smart contract security research: survey and future research opportunities

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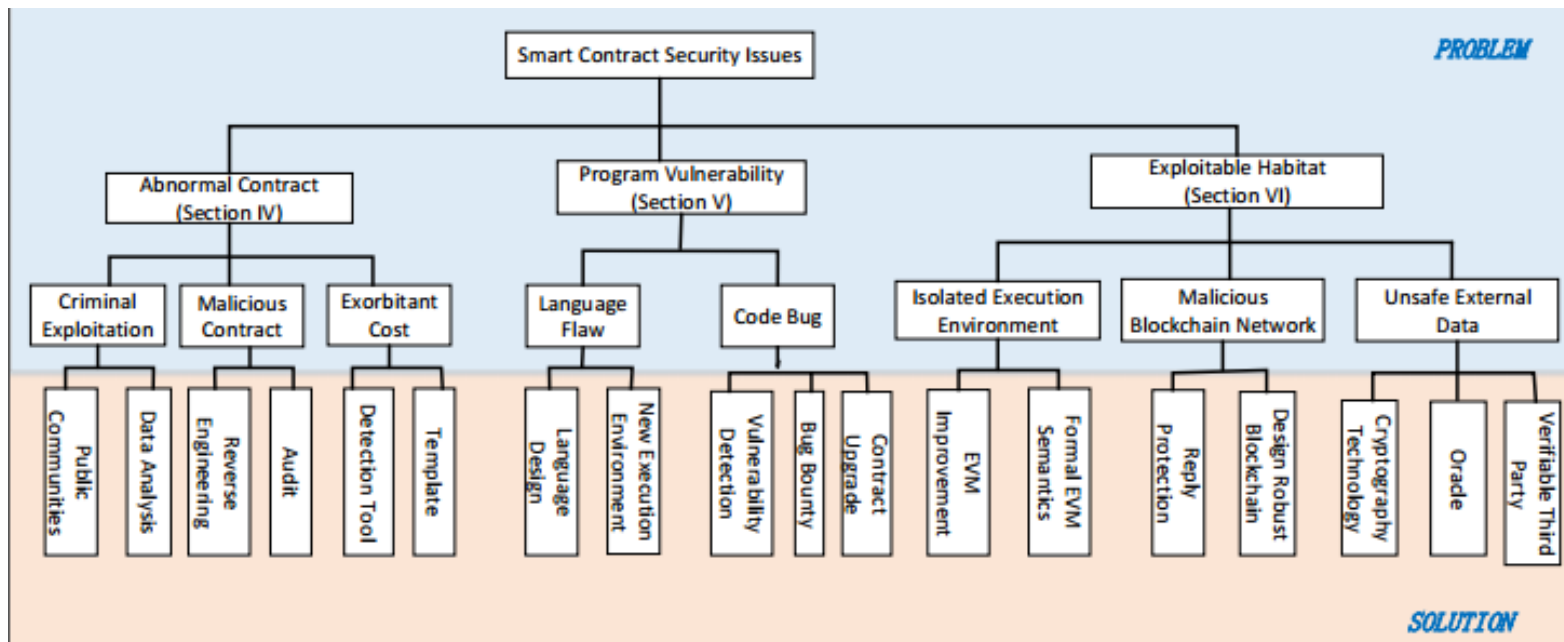
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# Motivation & Works

- Smart contracts encounter serious security issues
  - malicious contract program model
  - vulnerabilities in the program
  - issues introduced by program execution environment
- Works: conduct a survey on researches of contract security
  - review all researches between 2015 and 2019
  - point out challenges in addressing these problems
  - identify potential research opportunities

# Main Contributions

- Systematic mapping of smart contract security challenges
- Systematic mapping of potential solutions



- Present many potential future research directions