# Exposing Cross-Channel Attacks that Exploit the Convergence of Telephony and the Internet



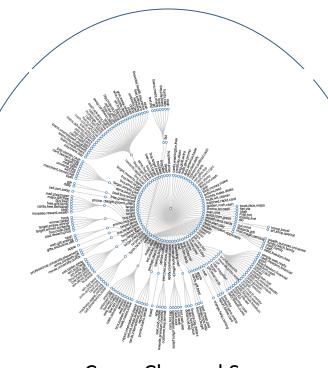
#### **Challenge:**

 Understanding and mitigating crosschannel attacks that utilize the phone channel to launch and monetize cyber attacks

#### **Solution:**

 Develop novel techniques to identify malicious infrastructure used by cross-channel attacks

CNS: 1514035 (Ahamad, Antonakakis and Perdisci) TWC: Medium: Collaborative: Exposing and Mitigating Cross-Channel Attacks that Exploit the Convergence of Telephony and the Internet



Cross-Channel Scams and Associated Infrastructure

### **Scientific Impact:**

- New techniques for identifying malicious infrastructure that currently goes undetected
- Effective mitigation of telephony-based attacks can improve online security

## **Broader Impact:**

- Ordinary citizens can be protected from sophisticated cross-channel scams
- Engagement with telephony and security companies and federal agencies for better securing the phone channel
- Doctoral and master level student education and training