

The IEEE 22nd Annual Computer Communications Workshop

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Panel on:

Dealing with Malicious Traffic

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Malicious Traffic

What is it?

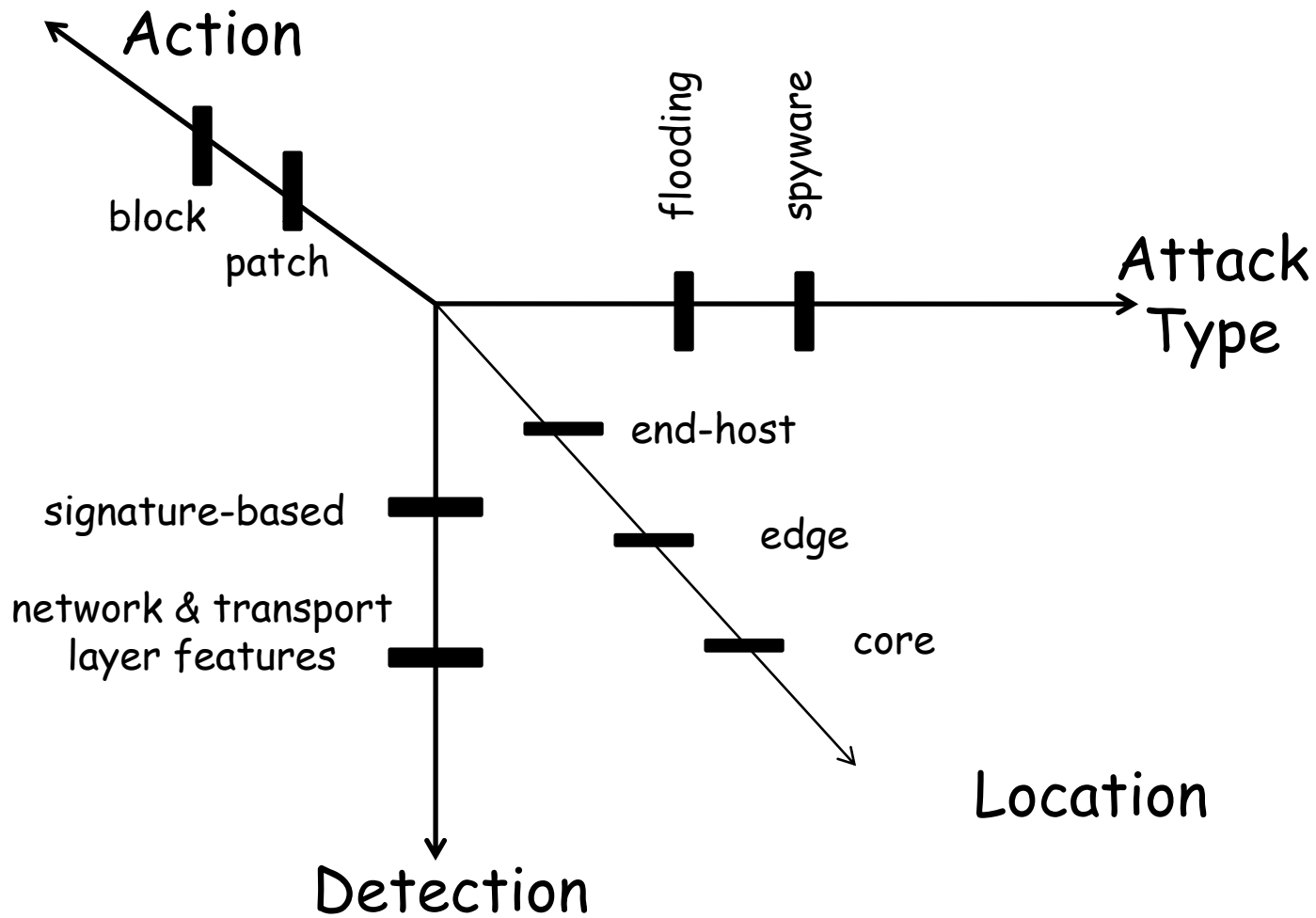
- Malicious Traffic
 - DoS attacks
 - Scanning
 - Phishing
 - Malware propagation
 - Spam
 - ...
- vs. Legitimate or Unwanted Traffic
 - Flashcrowd
 - Spam (for advertisement, not phishing)

Malicious Traffic

Is it a serious problem?

- Part of the everyday operation of the Internet
- Results range from simple annoyance to severe damages (financial, operational, political)
- Today launched by **Botnets**:
 - large scale, automated, sophisticated infrastructure

Large Problem Space



(Some) Questions

- What building blocks are required?
 - Incremental vs. Clean Slate approaches
- Where to deploy defense mechanisms?
 - Core vs. Edge vs. End-Host
- How to detect malicious traffic?

Panelists

- Farnam Jahanian (Univ. of Michigan & Arbor Nets)
- Minaxi Gupta (Indiana University)
- Brian Rexroad (AT&T)
- Peter Reiher (UCLA)
- Paul Francis (Cornell University)
- Athina Markopoulou (UC Irvine)