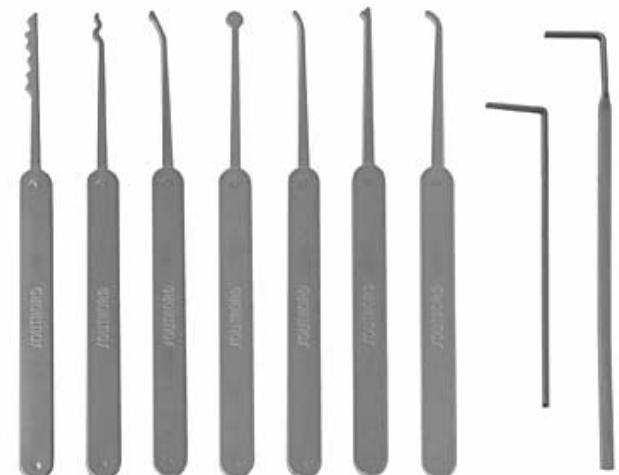
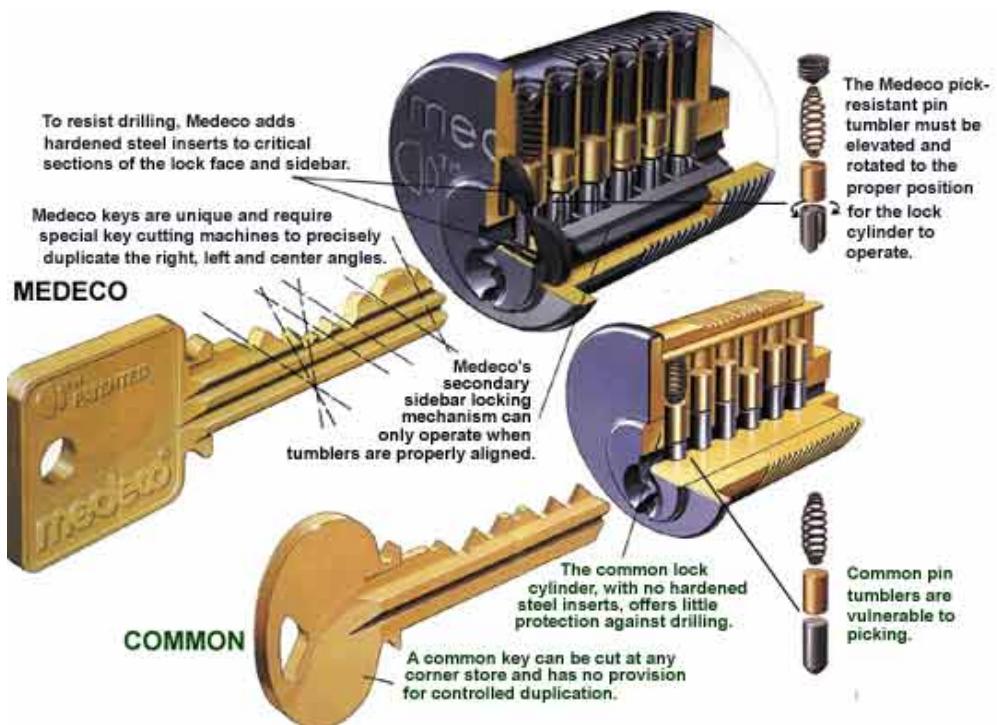


Complexity in Security

New directions in digital security
research

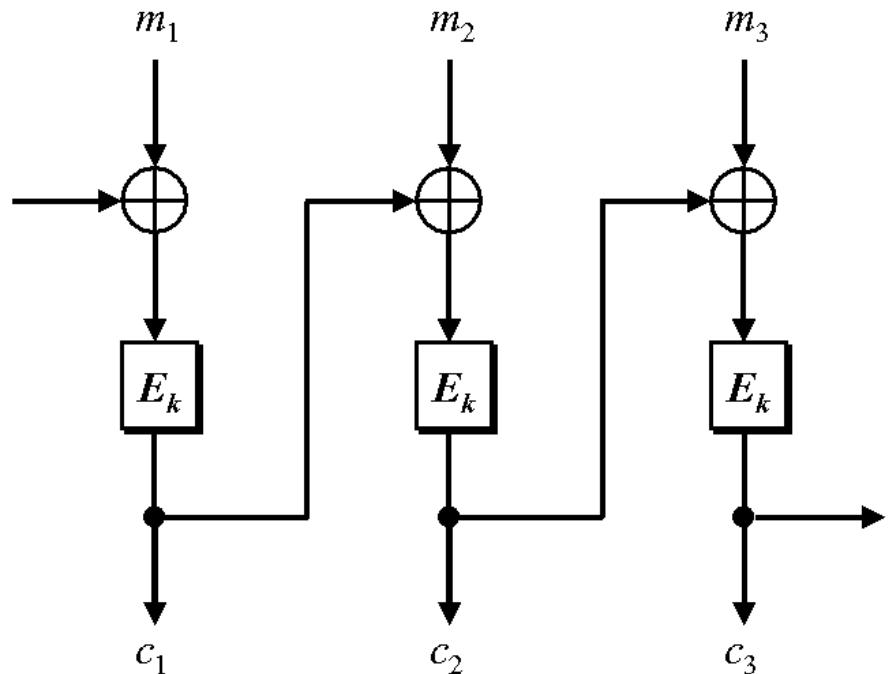
History of Security

● Physical Security



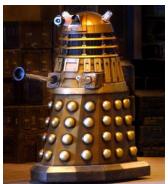
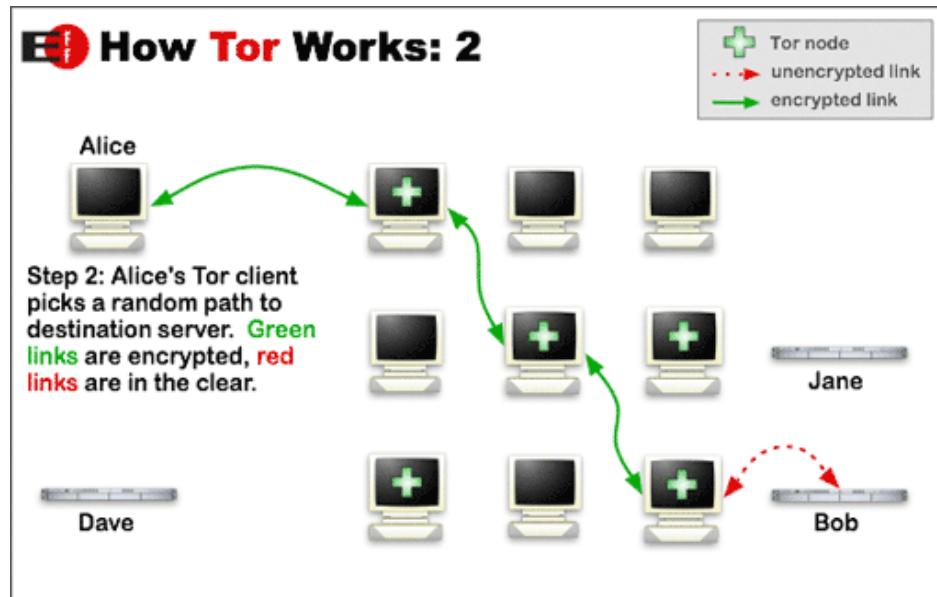
History of Security

- Cryptography



History of Security

Digital Security

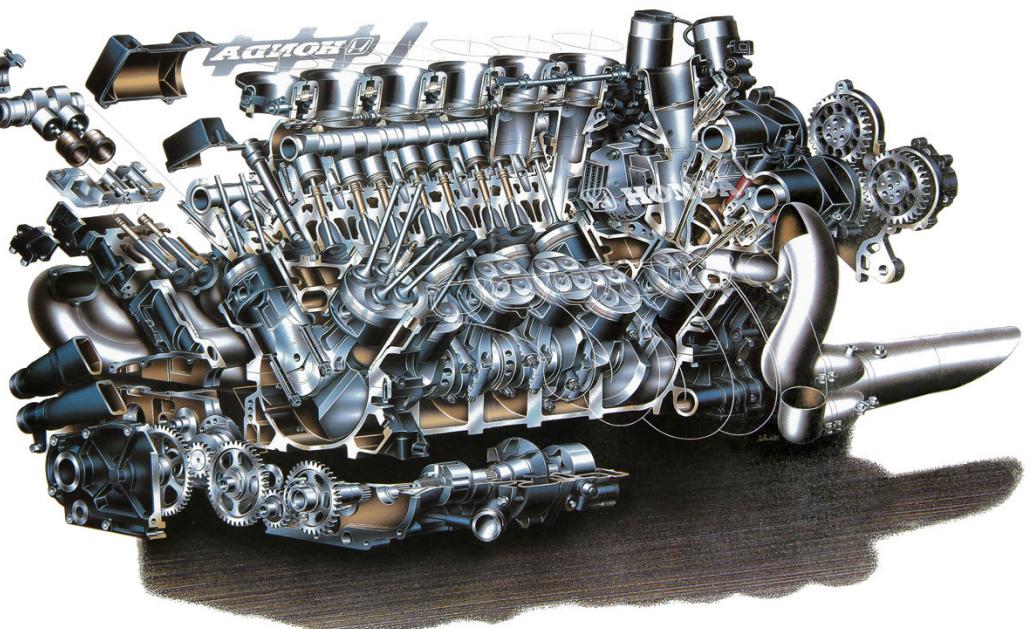


Digital Security -- Complex, isn't it?



Digital Security

Complicated -- Not complex



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Complexity in Security

- The new frontier in digital security...

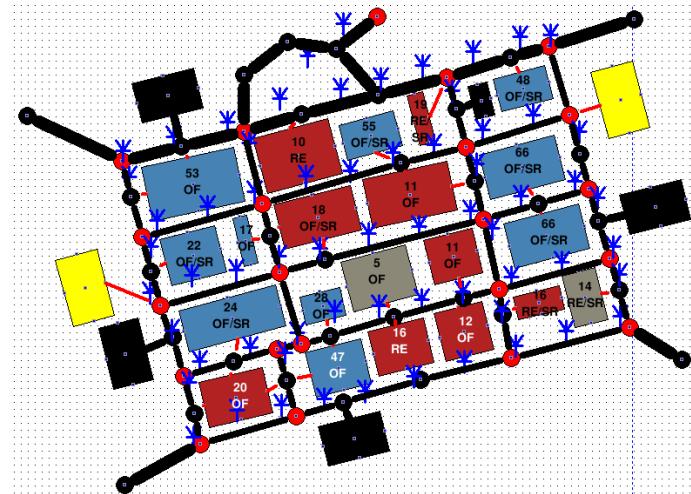
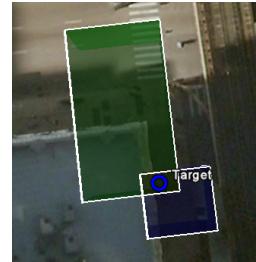
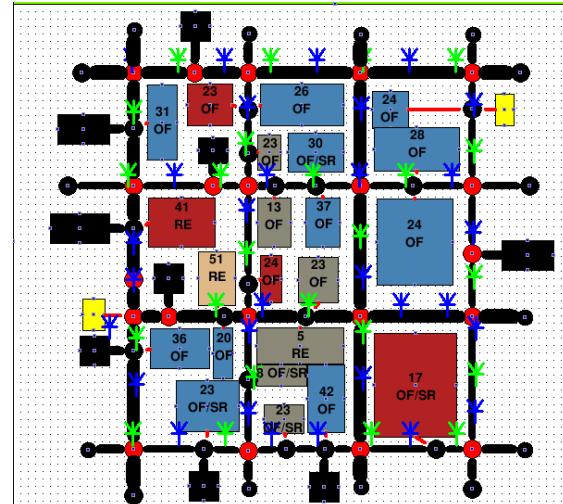


Complexity in Security

- But why?
 - Wireless Networks
 - Ubiquitous Computing
 - Social Networks
 - The Internet
 - Digital Economies

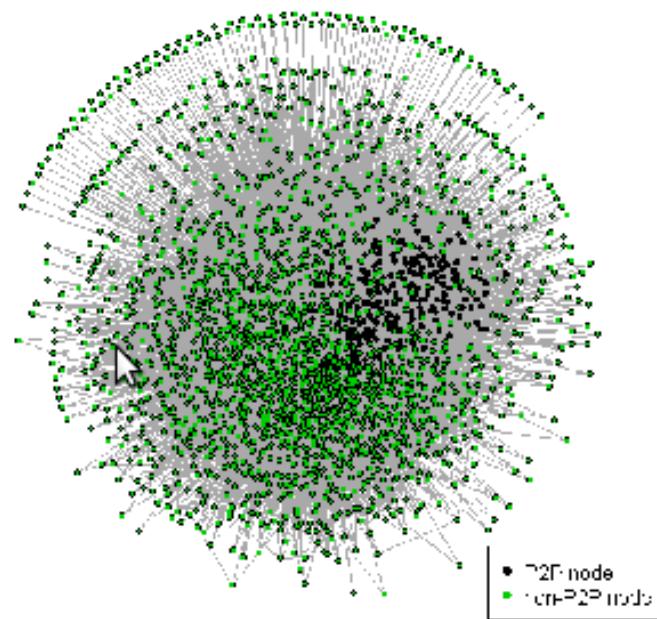
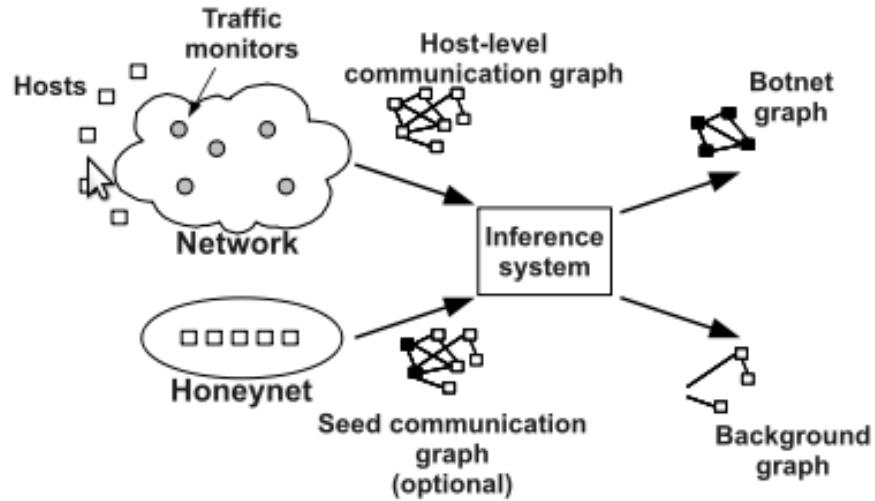
Complexity in Security

Mobile Location Tracking In Metropolitan Areas:



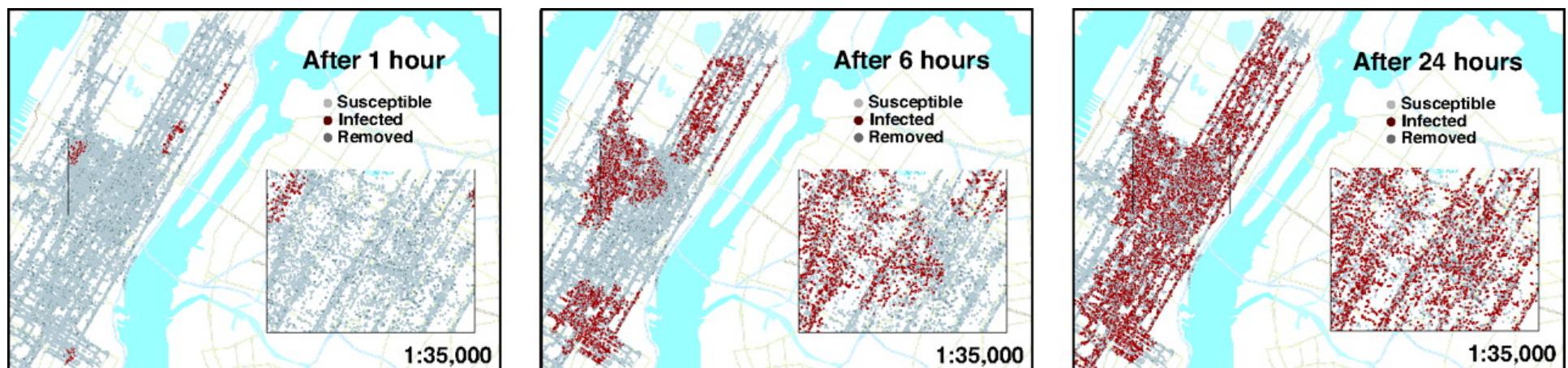
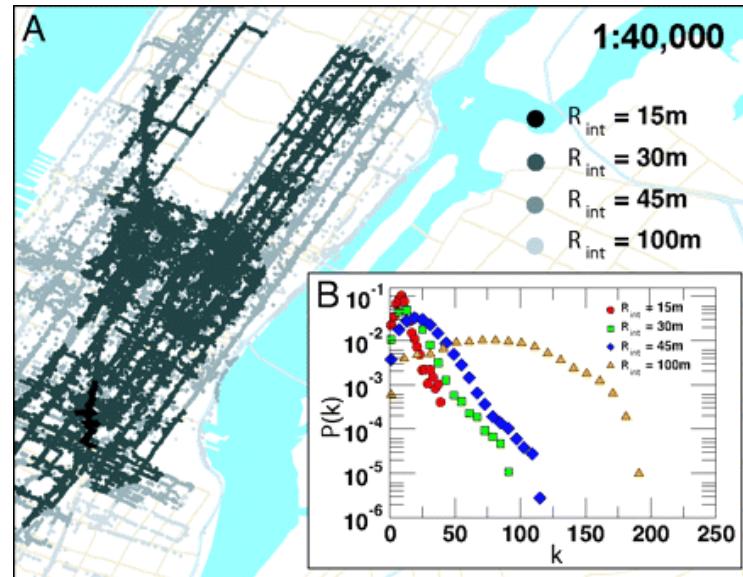
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BotGrep:



Complexity in Security

WiFi networks and malware epidemiology



H. Hu, S. Myers, V. Colizza, and A. Vespignani, "WiFi networks and malware epidemiology," Proceedings of the National Academy of Sciences, v. 106, no. 5, 2009, pp. 1318.

Complexity in Security

- Are there other research projects?
- Where will this approach lead us?
- How does it depart from the old ways?

Questions?

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