

# Moore's Law and Publishing

Ross Anderson

Cambridge

# What changed 2001–8?

- Many new protocols and system mechanisms fielded (AES, 3g, EMV, HomePlug, BitLocker...)
- ‘War on Terror’ leads to hypertrophy of security-industrial complex ...
- How can we measure it?

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# Security Engineering

Ross Anderson

SECOND EDITION

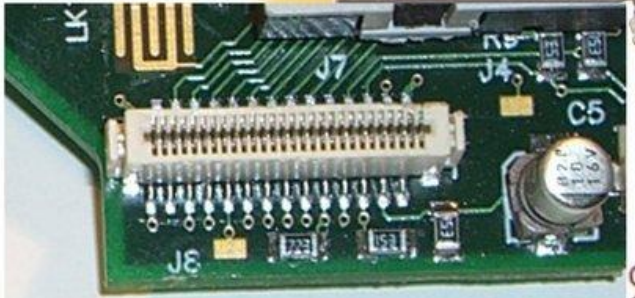
A Guide to Building Dependable  
Distributed Systems

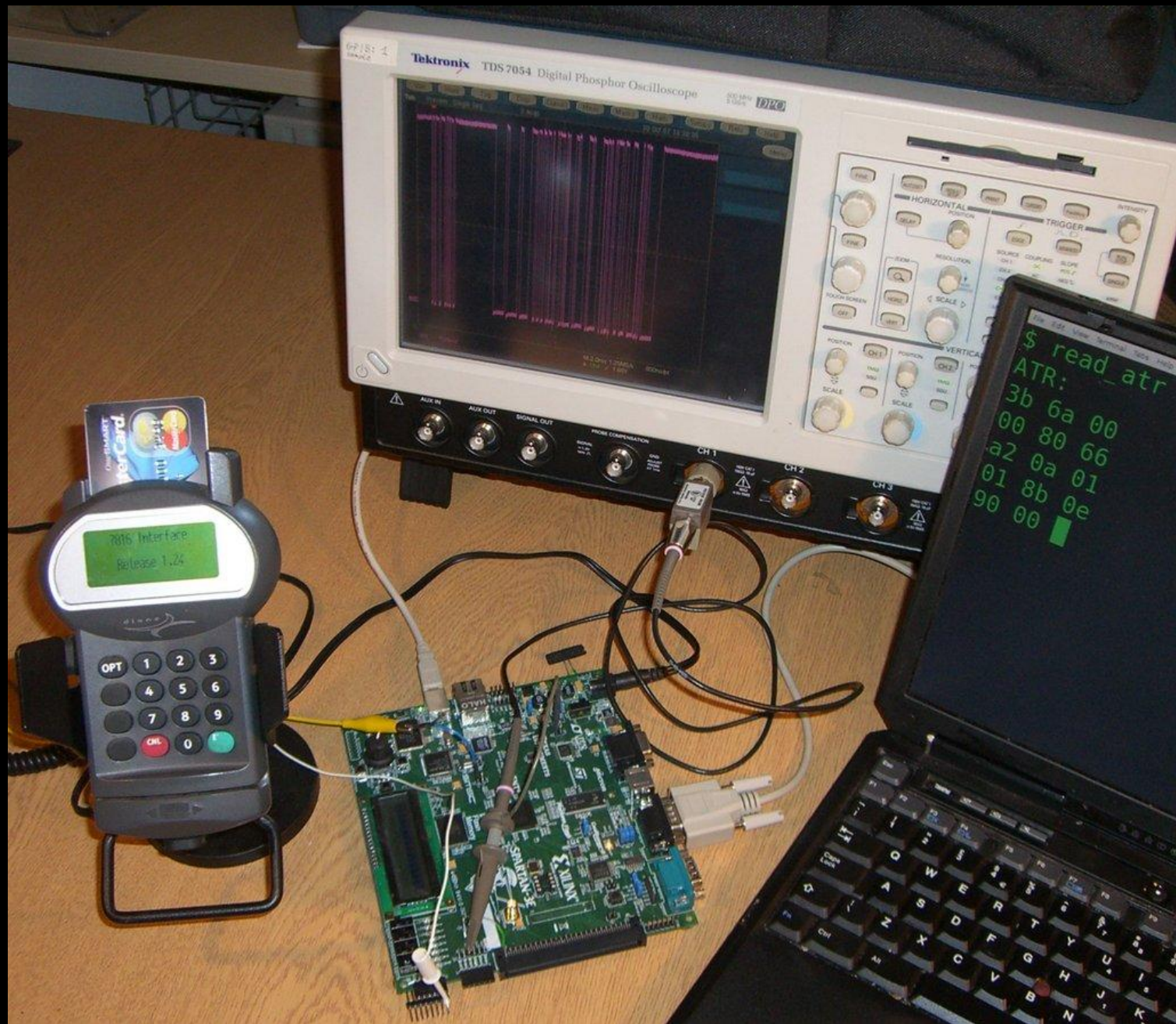
# Subject growth

- Overall 62% (from 640 pages to 1040 pages) especially topics surrounding crypto:
  - Crypto implementation
  - New protocols / APIs
  - Applications
  - Real-world attacks
  - Usability
  - Policy / economics
- Increasingly these come together...

# Example – breaking EMV

- Work with Saar Drimer, Steven Murdoch, to appear at Oakland next month (in book too)
- No less than 67 vendors sell ‘approved’ ‘secure’ terminals for chip and PIN
- Every one we’ve examined, we’ve broken
- This raises serious questions about the Common Criteria, and much more







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