



# Smart Card Security: Power Analysis Attacks



Greg Kish

Rob Rex

Jamie Walls

# Overview

- Introduction
- Background
  - What is a Smart Card
  - Evolution
  - Attacks
- Power Analysis
- Conclusion



- 
- 
- 

# Background

- What is a ‘smart card’?
  - vs. dumb cards
  - Why smart cards?
- Applications
- Physical Characteristics
  - At a glance
  - ISO 7816-2:1988