

# **WLAN Security Introduction**

## **Threats Overview**



- **Simple eavesdropping**
  - ◆ Radio broadcast
  - ◆ Reduce TX powers!
  - ◆ Encryption (WEP, TKIP, AES, IPsec)
- **Authentication**
  - ◆ Shared secrets vs. stolen devices, large nets
  - ◆ Centralized AAA => 802.1x
  - ◆ Mutual authentication (Rogue APs)
- **DoS Attacks**
  - ◆ Physical jamming
  - ◆ Difficult to prevent (shielding, directional antennas)

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