

# **INTEROP<sup>®</sup>**

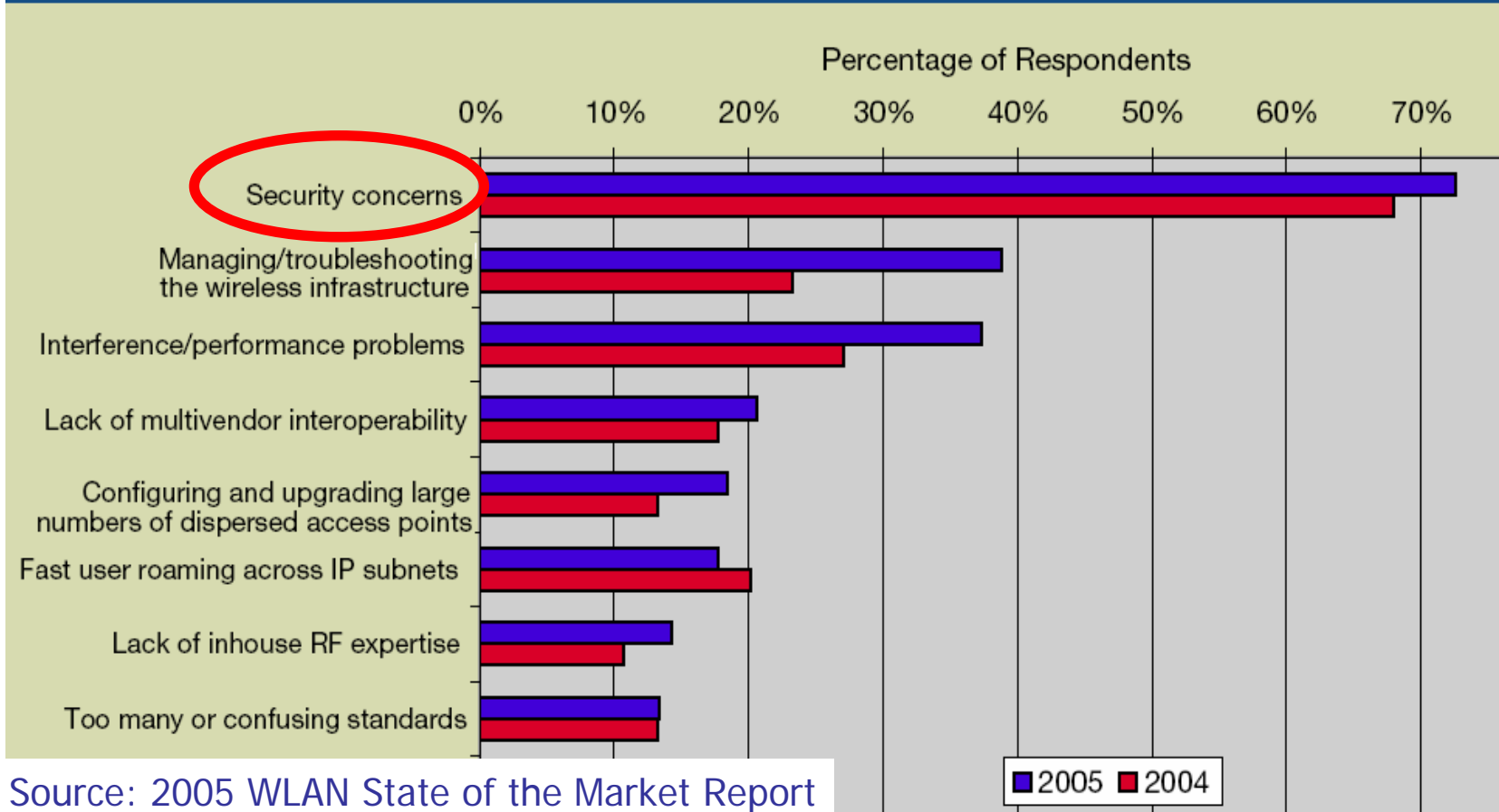
## **Unified Wired/Wireless Security**

**Moderator:** Lisa Phifer, Core Competence Inc.

**Speakers:** Sri Sundaralingam, AirTight Networks  
Mark Elliott, Blue Coat Systems  
Eugene Chang, Meetinghouse  
John Gmuender, SonicWALL

# Security is *still* a top concern

Figure 8. Top-Ranking Challenges in Deploying or Justifying WLANs



Source: 2005 WLAN State of the Market Report



# Today's WLAN Security: Bolted On, Not Baked In

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- WLANs face many security threats
  - Data eavesdropping and forgery
  - Inadequate control over wireless use
  - Stations compromised by trojans, spyware
- Countered by WLAN-specific measures
  - WEP, WPA, WPA2 link security
  - (Pre) Shared Keys, WLAN login portals
  - Admission granted by APs, WLAN switches
- Result: Security added as after-thought, independent of existing policies/practices



# Problem: As WLANs mature, this approach cannot scale

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- Isolated, disjoint solutions can lead to
  - Inconsistent policy definition
  - Uneven enforcement -> hidden vulnerabilities
  - No correlation between related security events
  - Hampered incident response
  - Difficulty in assessing overall risk or compliance
  - Increased cost of operation
- As WLANs become an integral part of our networks, so must WLAN security...



# Goal: Secure your entire network with a single, unified architecture

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- How can we address network security needs with unified solutions that encompass both wireless and wired elements?
  - Preventing Network Intrusions
  - Protecting Network Traffic-in-Transit
  - Ensuring Endpoint Security
  - Consolidating Network Security Solutions
- Panel discussion