

# **Wireless LAN Security II: WEP Attacks, WPA and WPA2**

Raj Jain

Washington University in Saint Louis

Saint Louis, MO 63130

Jain@cse.wustl.edu

Audio/Video recordings of this lecture are available at:

<http://www.cse.wustl.edu/~jain/cse571-07/>



- ❑ Wireless Networking Attacks
- ❑ Wireless Protected Access (WPA)
- ❑ Wireless Protected Access 2 (WPA2)

# Wireless Networking Attacks

1. MAC Address Spoofing Attack
2. Disassociation and Deauthentication Attacks
3. Shared Key Authentication Attacks
4. Known Plaintext Attack
5. Reaction Attack
6. Message Modification Attack
7. Inductive Attack
8. Reuse IV Attack
9. WEP Key Attacks
10. FMS Attack
11. Dictionary Attack on LEAP
12. Rouge APs
13. Ad-Hoc Networking Issues