

WLAN COMMUNICATIONS

1. Components: Basic components, Operating modes, Physical Layer & MAC Layer; Frequency, Channels...

/Users/susanarodriguez/Desktop/UNIK4700/Homework/An_Introduction_to_wifi.pdf

2. Site Survey: Radio-frequency simulator & Radio planning for rural areas

[Radiomobile.pdf](#)

3. System Architecture: Logical configuration, point to point, point-multipoint, routing protocols...

http://wireless.ictp.it/school_2006/lectures/Rob/NetArchitecture/index.html

4. Security: WLAN security problems & solutions.

[WLANSecurity.pdf](#)

5. Services

5.1 Medical-Grade Network architecture. An complete example about what we can do with WLAN networks.

http://www.cisco.com/en/US/docs/solutions/Verticals/Healthcare/MGN_wireless_adg.html

5.2 WLAN & Mobile Communitacions. Integrating Wi-Fi with mobile networks can reduce the need for additional capacity in the wider mobile network, particularly, in traffic hotspot areas:

<http://www.nokiasiemensnetworks.com/portfolio/solutions/heterogeneous-networks/smart-wlan-connectivity>