Hanish: IEEE 802.11a alphabet soup RFCs Wireless Security TLS

Zhiguang: What is MC.

Biy: its relationship to Computer Networks

Peyman: Wireless & Security

Rob: Connection Establishment Transfer b/w different access pt. Routing Protocols - PKt+ level - differ from regular N/IO
Mobile ad hoc networks
- Routing protocols AODV, ...

What is Mobile Computing?

- Computing without links (Wireless)
- Ability to connect using VPN remotely
  - Cluster of networks connected to each other; security
  - Computing wherever movement is involved like space shuttle
  - Computing & communication between two
Computers which have are moving relatively to each other.

- Several devices working together be sometimes connected sometimes disconnected.

- Environment-aware computing e.g. Location-dependent information

**GPS - Global Positioning System**

- GPS Receiver can determine its location.

**Galileo - European**

- Find nearby restaurants.
  - Knowing location of family members
  - Locating cell phones.
Both voice & data industry is moving towards mobile computing.

- Convergence of voice & data networks

**VoIP** - Voice over IP

Good mix between theory & practice

60 - 40 / 40 - 60 / 50 - 50 ± 10

Reliability issues in Wireless Connection.

- Frustrating thing is unpredictability of Wireless connection
5 9s reliability 99.999%.
99.957%.

What has achieved high reliability got to do with Mobile Computing?
- enable computing from everywhere
- wireless is cheaper, we need to lay wireless

MC \Rightarrow more connected.
higher availability to information