

Master Proposal meeting summary 2006-11-30

Seamless handover between APs

First chapter: «Problem»

- User scenarios
 - VoIP
 - Music/Video streaming
 - Web browsing (not a problem)
- Architecture examples
 - graphics
- Technical challenges
 - Automatic handover
 - Detect «new» Aps
 - «When» to do a handover (Signal level, time, bit-error rate, compute average?)
 - Network based solutions or client based solutions
 - Functionality in Aps? Bridge? Router?
 - Redirecting streams to new Aps
 - Movement? Speed < 10 km/h
 - Phone capabilities?
 - Do handover between APs within the same WiFi spot or Roaming between WiFi spots?
 - Power consumption

Next chapter: «Assumptions & limitations» or «State of the art»

«Assumptions & limitations»

- IP capable phone
- Wifi + related libraries and APIs
- Speed < 10 km/h

«State of the art»

- How other researches has approached and solved the problem
- IETF
- IEEE standards (802.11r, 802.21)
- ACM/IEEE articles
- Important chapter in a Master thesis

When «Problem» and «Assumptions & limitations» are finished we have defined what to do and even more important what NOT to do.

Important: Glossary defining the most important terms e.g. Roaming, Handover

Actions points:

- Template for the whole Master proposal
- Draft of the Problem chapter

To be delivered within the 6th of December