## Seminar on Internetworking

# **Internet Protocols for Mobile Computing**

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## Future Mobile Applications

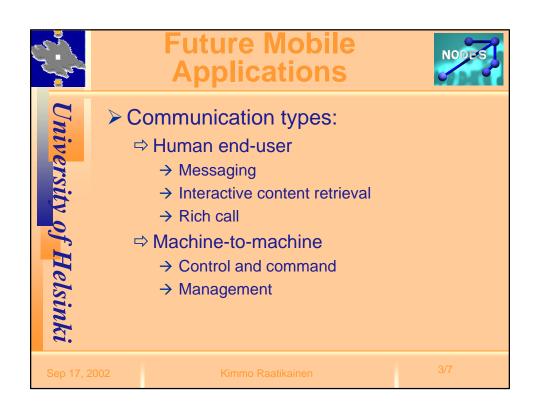


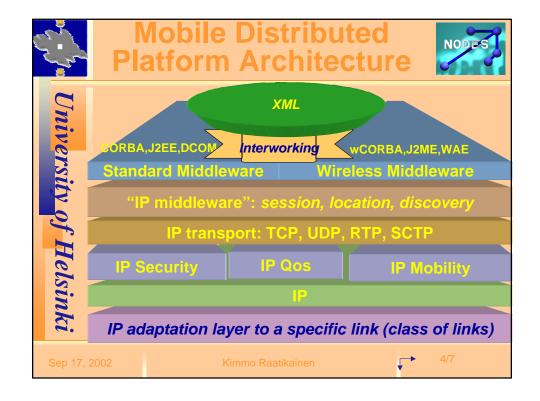
- > communication characteristics
  - ⇒ The most significant feature will be diversity
  - ⇒ All kinds of applications will be in use.
  - □ QoS requirements and communication patterns will be numerous
  - Some applications will also adjust their behaviour according to the properties of connectivity
  - ⇒ Future mobile terminals will have a few applications simultaneously active.
  - ⇒ Some terminals will also be able to use different access technologies either simultaneously or one at a time.

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## **IETF Working Groups**



- impp: Instant Messaging and Presence Protocol
- simple: SIP for Instant Messaging and Presence Leveraging Extensions
- ipv6: IP Version 6 Working Group
- mobileip: IP Routing for Wireless/Mobile Hosts
- pana: Protocol for carrying Authentication for **Network Access**
- zeroconf: Zero Configuration Networking
- aaa: Authentication, Authorization and Accounting
- ngtrans: Next Generation Transition
- policy: Policy Framework



## **IETF Working Groups**



- rap: Resource Allocation Protocol
- bgmp: Border Gateway Multicast Protocol
- ipsec: IP Security Protocol
- > ipsp: IP Security Policy
- ipsra: IP Security Remote Access
- diffserv: Differentiated Services
- midcom: Middlebox Communication
- nsis: Next Steps in Signaling
- pilc: Performance Implications of Link Characteristics



## **IETF Working Groups**



- University of Helsink
- > rohc: Robust Header Compression
- seamoby: Context Transfer, Handoff Candidate Discovery, and Dormant Mode Host Alerting
- > sip: Session Initiation Protocol
- > sipping: Session Initiation Proposal Investigation
- > tsvwg: Transport Area Working Group

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