Java 2 Micro Edition
Technology driven architecture work

Svein Løvland
Audun Mathisen

Advisor: Letitiza Jaccheri

IDI, NTNU
11. December 2001
J2ME

- One size does not fit all – J2ME
- New technology
- Code portability
- Different device characteristics
Project description

- Technology as starting point
- Goals
  - J2ME implications on architecture
  - Develop an instant messaging system
Process and Work

- Project phases
  - A study of J2ME
  - System specification
  - Development
  - Implications
Instant messaging system

- **J2ME client application**
  - Standard instant messaging functionality
  - Runs on PDAs and mobile phones

- **J2SE server application**
  - Supports different application versions

- **XML based message protocol**
Results

- Implications on architecture
  - J2ME had less impact than expected
  - Most were results of device limitations and differences
  - Modifiable client architecture

- J2ME as development environment
  - Application development for many devices
  - Familiar language

- Technology as starting point
  - Relaxed system requirements

- Instant messaging system