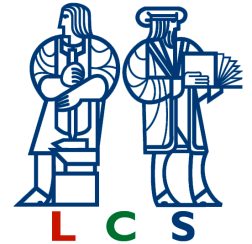


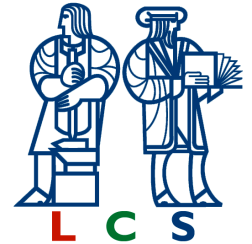
Project Overview

- Device network architecture
 - Decentralized, robust, distributed
- Resource discovery, mobility
 - Intentional naming system
- Location-dependent applications
 - Floorplan* active map, *Camera* (mobile camera service), *TV/Jukebox*,...
 - Location-support system



Progress Through December 1999

- Design and prototype implementation of location-support system
 - *Cricket* location-support system based on RF and ultrasound
 - Privacy, decentralization, low cost
- Integrating Jini with INS
 - To handle mobility and fault-tolerance of Jini services



Research Plan for the Next Six Months

- Implement applications using Cricket
- Experimental evaluation of Cricket location-support system
- Implement Jini service discovery using INS
- End-to-end IP mobility protocol
- Wide-area service discovery