



The Nodes Laboratory NodesLab

Department of Computer Science
University of Helsinki

Lab Highlights

- Software-defined networks
- HCI Lab
- Home gateway testbed
- Wireless experiments
- Energy modelling
- Connection to the Ukko cluster for combined real-life and simulation/emulation experiments



Home Gateway Testbed

- NAT characteristics experimentation
- 150+ devices, including DSL/cable modems
- Unique in the world

HCI Lab

- Lab room for HCI experiments
- Multitouch displays
- 3D depth cameras
- Sensor kits
- Video projects for immersive interfaces

Software-defined networks

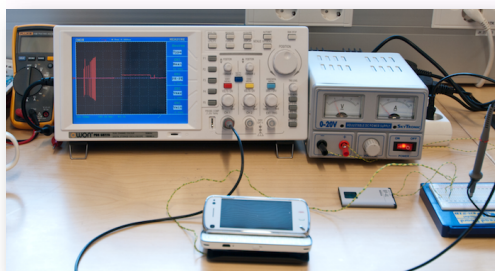
- OpenFlow switches
- Servers for emulation/simulation
- NetFPGA cards for low-level implementation

Wireless Experiments

- Wireless mesh network
- EMC (shielded) chamber for wireless measurements in a controlled environment
- Energy consumption analysis

Energy Modelling

- Remaining operating time is crucial for embedded and mobile devices
- Instrumented operating systems/device drivers and direct measurement of current for high precision models



More information

Contact: prof. Sasu Tarkoma
sasu.tarkoma@cs.helsinki.fi