

Environment Monitoring with intrusion detection

Sensor Networks Lab, WS 2014/15

Group 8



Idea

- **Monitoring of environment with existing on-board sensors**
- **Realising an intrusion detection with accelerometer**
- **sending data to a web-interface**
- **Visualising intrusion on web-interface**

Application scenarios

- ❏ **Warehouse → night guard**
- ❏ **Greenhouse / plantation → gardener / farmer**
- ❏ **Office / Hotel → Staff**
- ❏ **Apartment → Owner / tenant**

Hardware

- ❏ 1 telosB as a router
- ❏ 2 telosB as environment-sensing nodes
 - being placed somewhere in the area
 - Sensors: temperature, light, (humidity)
- ❏ 2 (Irene) nodes:
 - being placed wherever somebody could get in (windows, doors)
 - Sensor: reed switch
- ❏ Python Webserver