

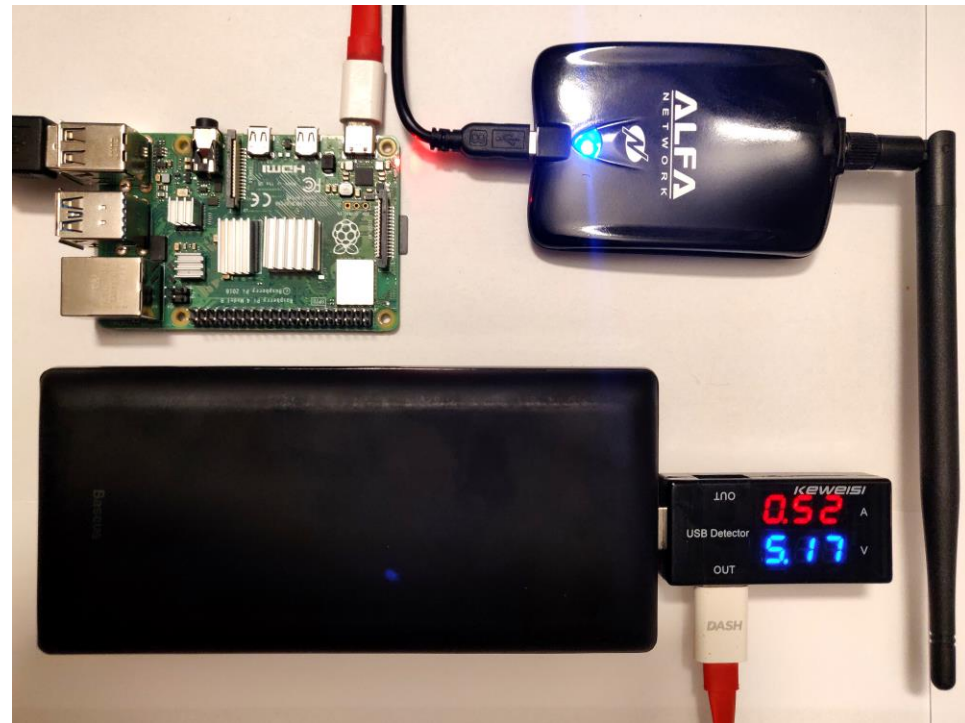
Crowd activity monitoring

N. Mandlik

K.L. Cserna

Method

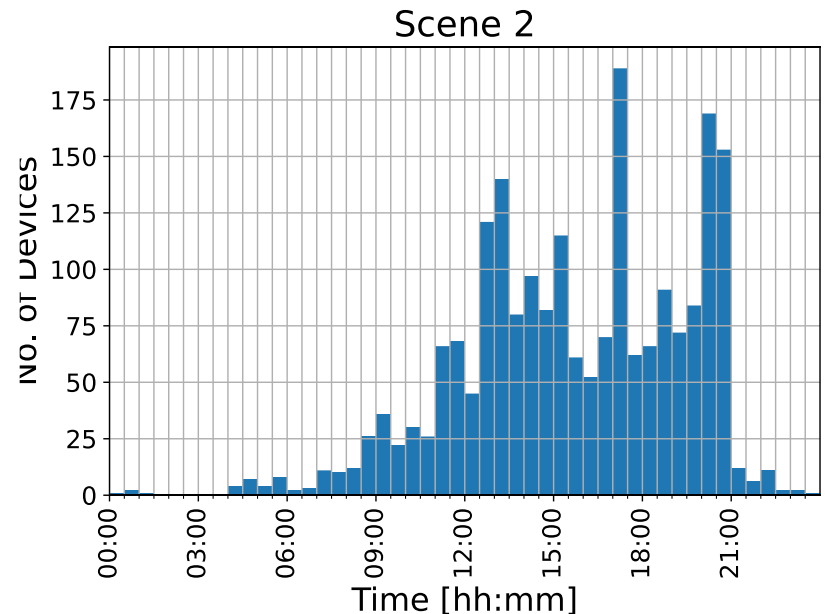
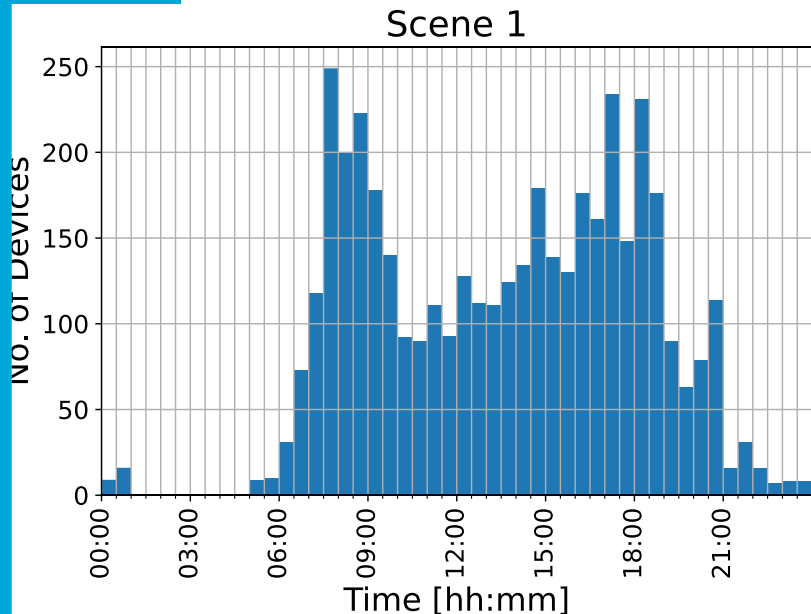
- Probe + Non-probe packets
- Threshold on RSSI
- Hardware
 - Pi 4
 - WiFi Adapter
- Software
 - Ubuntu 20.10
 - Dumpcap
 - Python
- 5 Scenes



Scenes

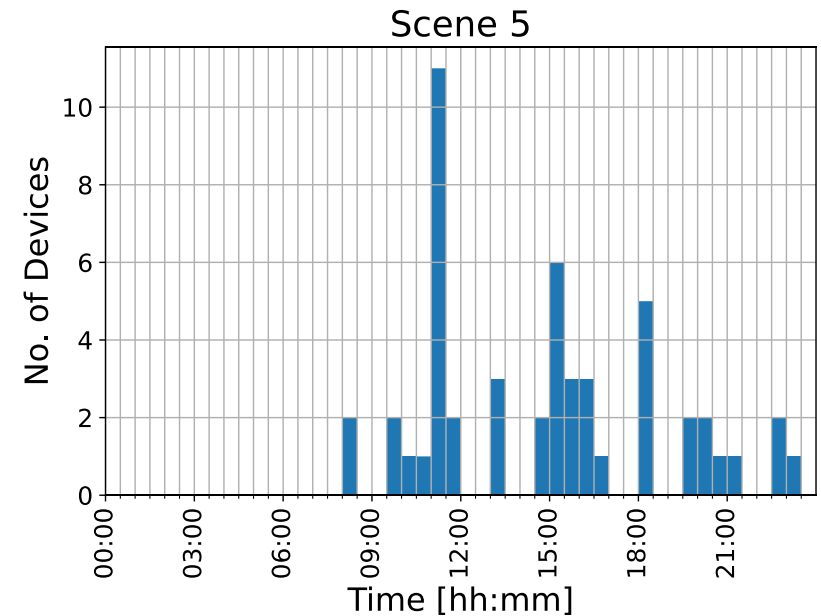
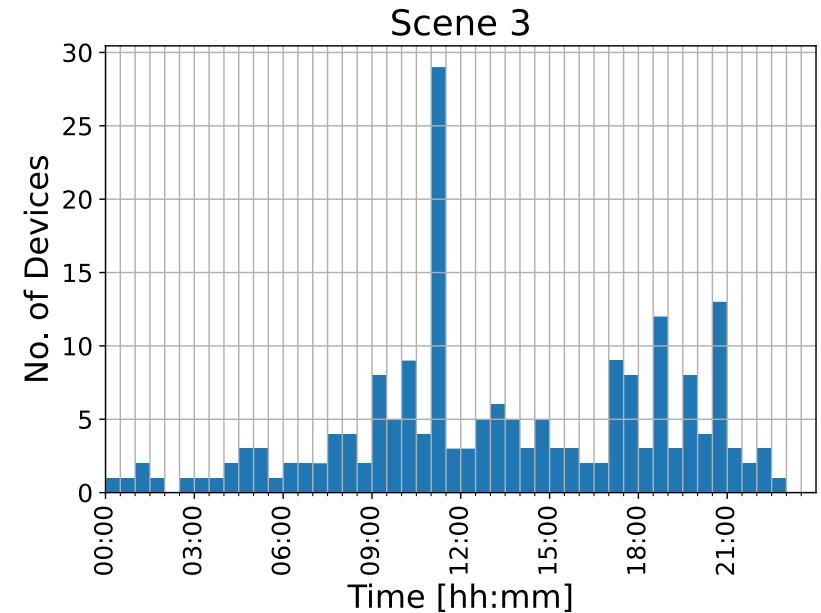
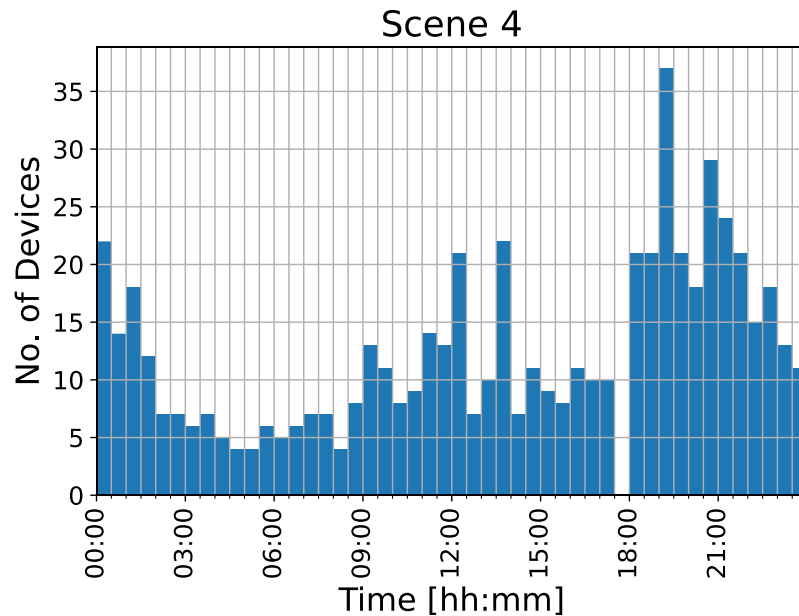
24h measurement at each scene

- Delft Station Bicycle Parking 1
 - Weekday
 - Weekend



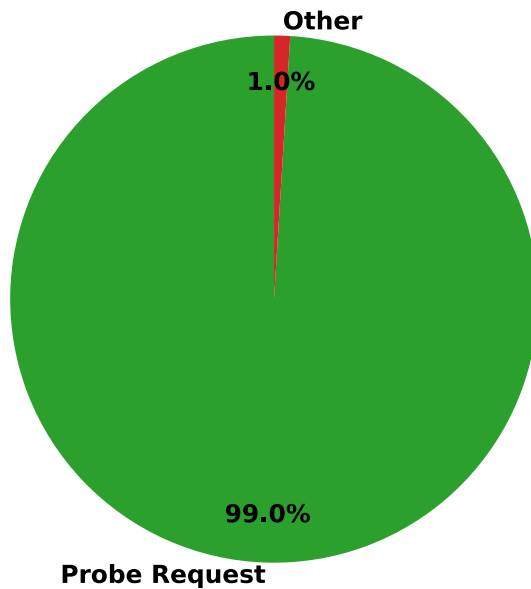
Scenes

- Residential Building
 - Bicycle Parking
 - Corridor
 - Mailbox Room



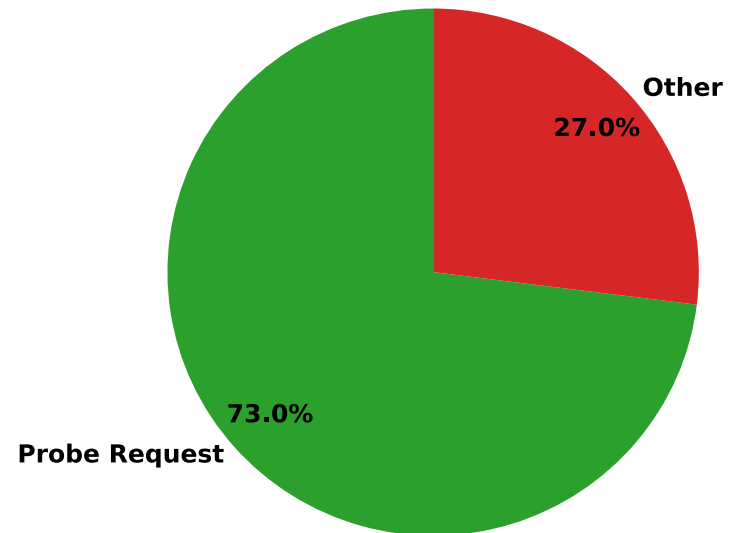
Means of detection

Scene 1



Delft Station Bicycle Parking 1

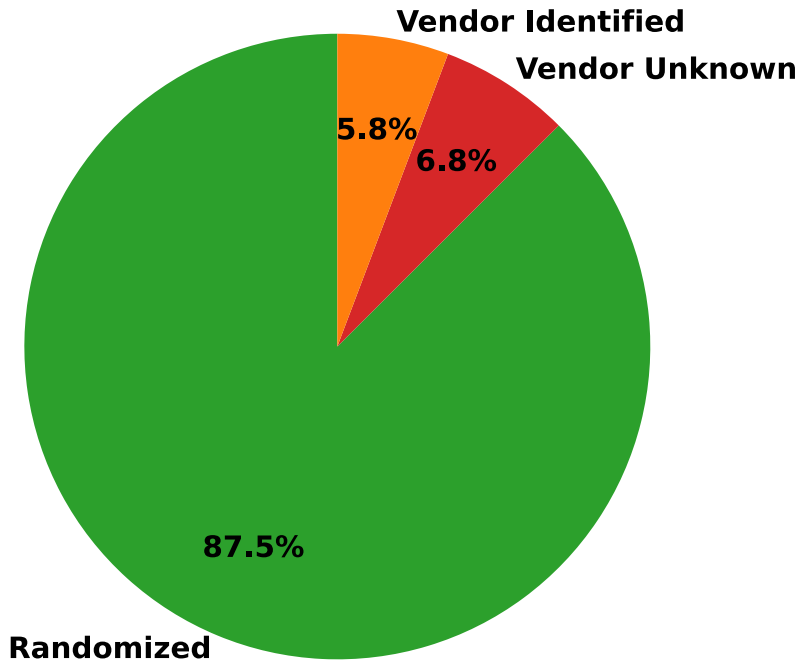
Scene 4



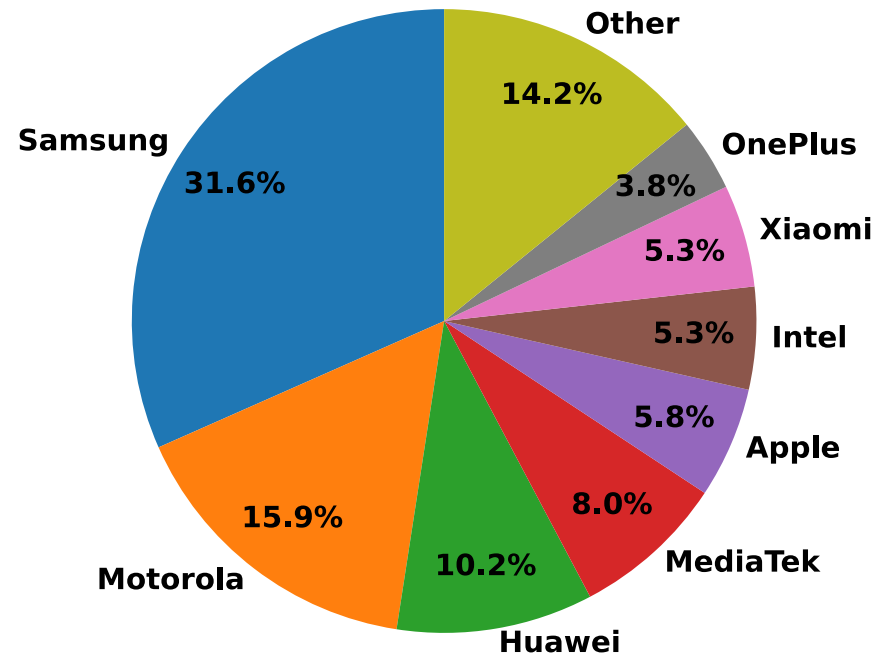
Residential Building Corridor

MAC address vendors

MAC Address Vendor Lookup



Identified MAC Address Vendors



Questions



<https://gitlab.ewi.tudelft.nl/et4394/2020-2021/wn-group-08>