

Indoor tracking from smartphone multi-sensor data

UMINHO at the IPIN 2017 Competition

Adriano Moreira, Maria João Nicolau, António Costa, Filipe Meneses
Algoritmi Research Centre, University of Minho, Portugal
Centro de Computação Gráfica, Portugal



PROJETO ESTRATÉGICO DO CENTRO ALGORIMI - Ref. : FCOMP-01-0124-FEDER-022674

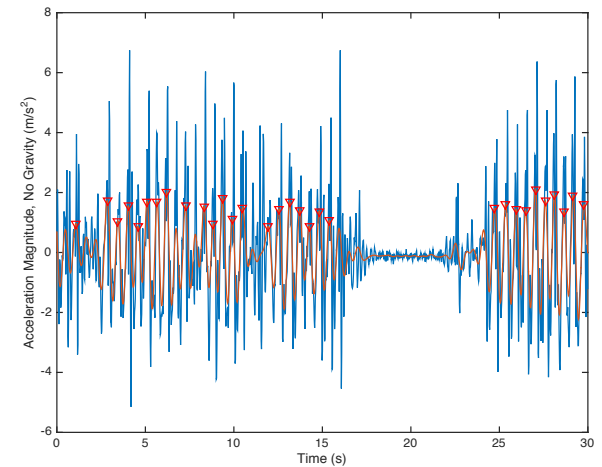
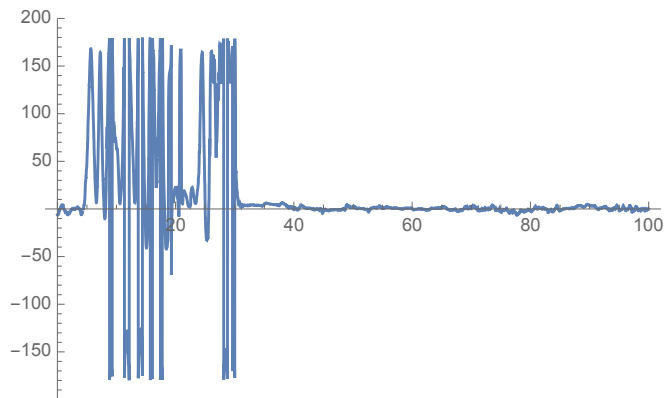
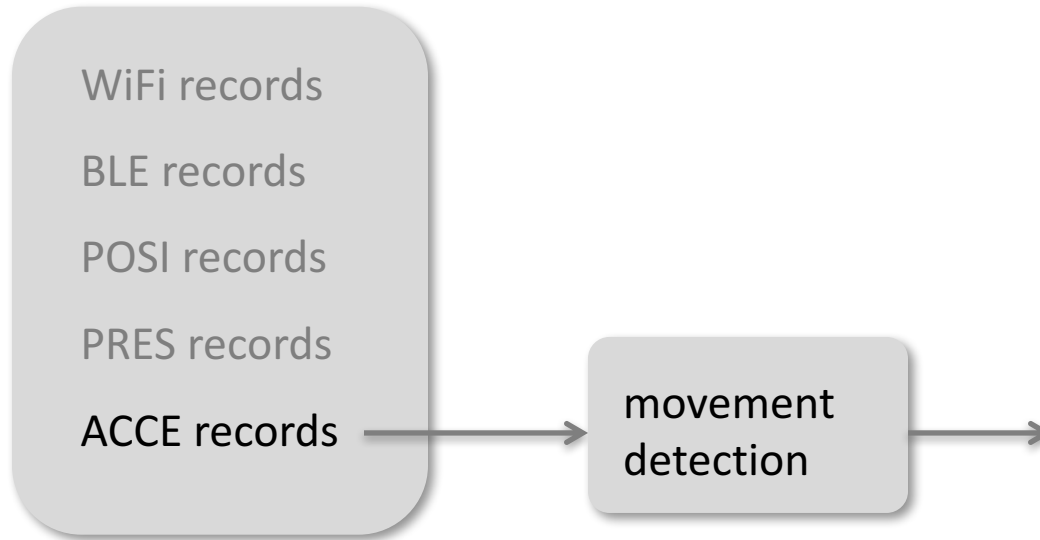


the competition

- track 3 - offline
- our team:
 - a group of researchers from the **Computer Communications and Pervasive Media** research group

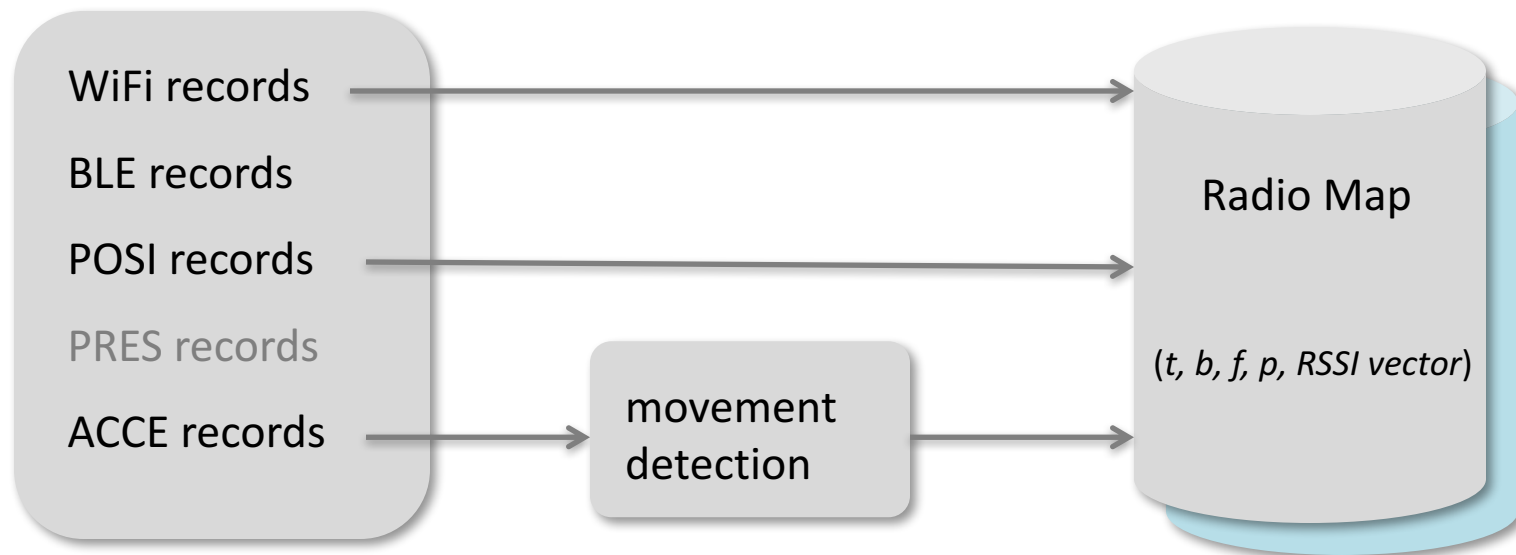
approach - step 2

Step detection



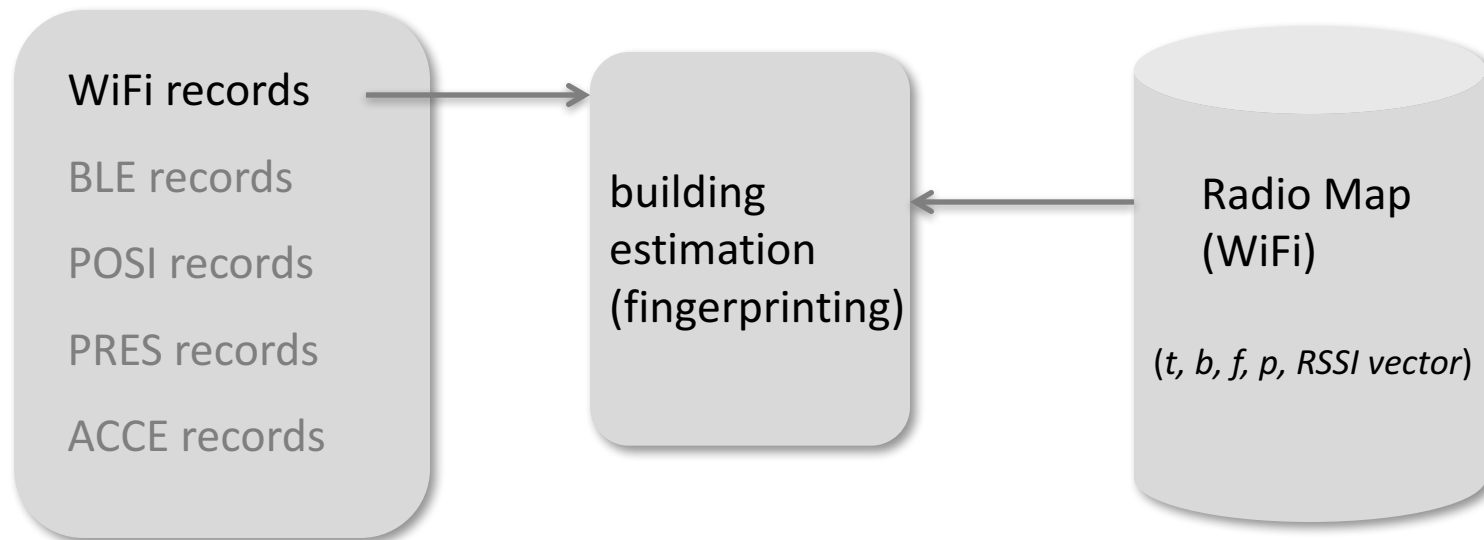
approach - step 3

Create a radio map (WiFi); the same for BLE4



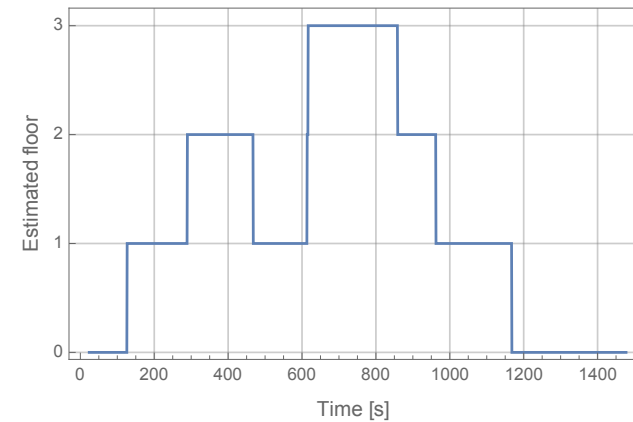
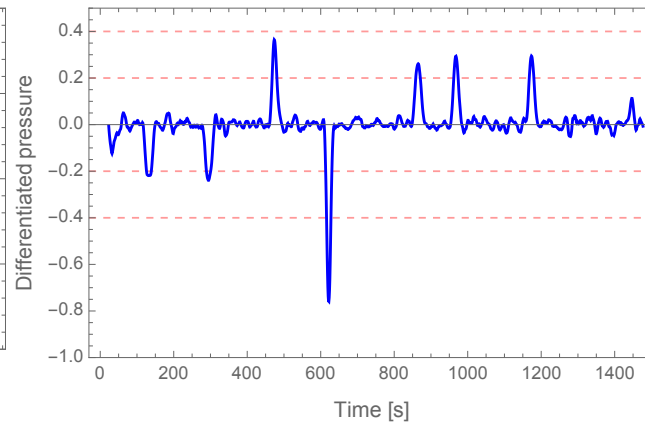
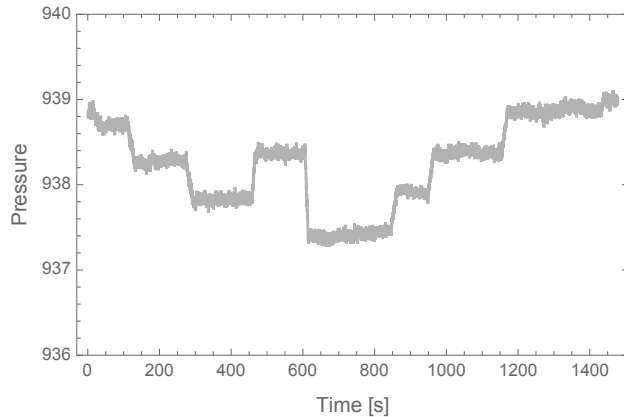
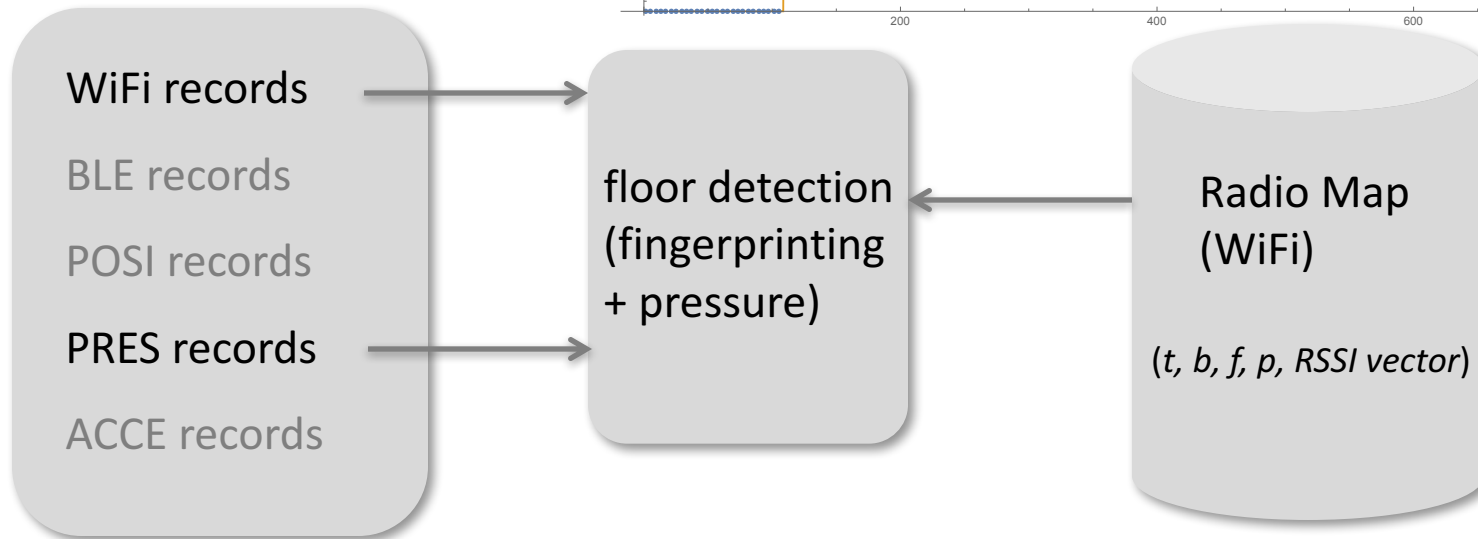
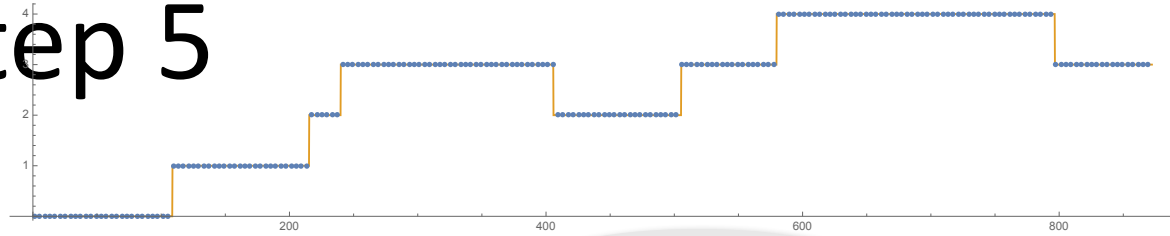
approach - step 4

Estimate the building



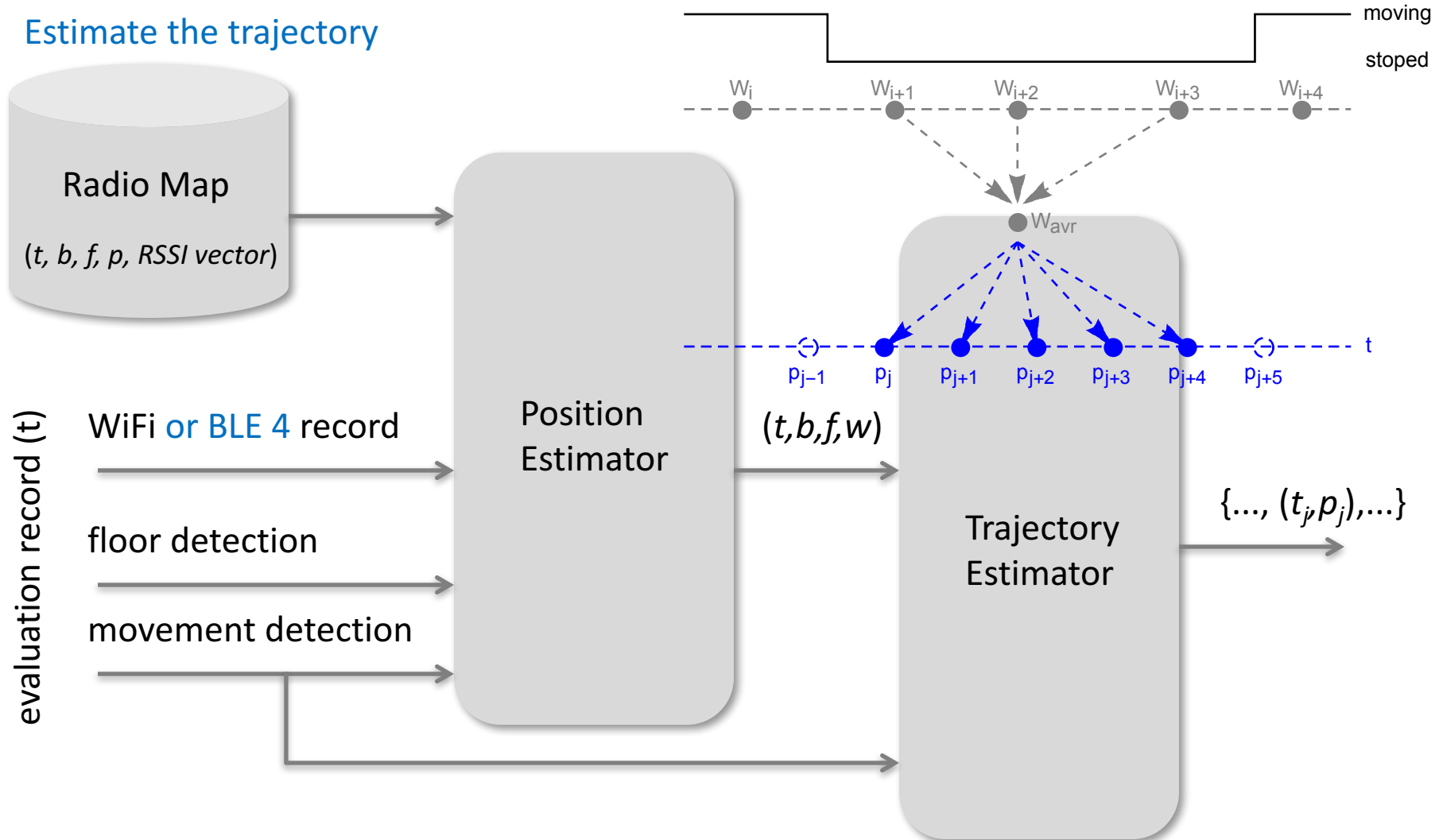
approach - step 5

Estimate the floor



approach - step 6

Estimate the trajectory



thank you