

Master Thesis - Presentation



In-Train Positioning System



Problem

- Positioning in the passenger compartment inside train vehicles is difficult
- Bad and intermittent GPS reception, especially in stations and in tunnels
- No wheel sensors (odometer)
- No speed sensor
- ...





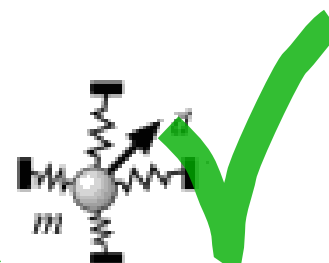
Solution

- A multi-sensor positioning system using:

- Very sensitive GPS



- inertial navigation system



- User-input via GUI



- A database of track waypoints

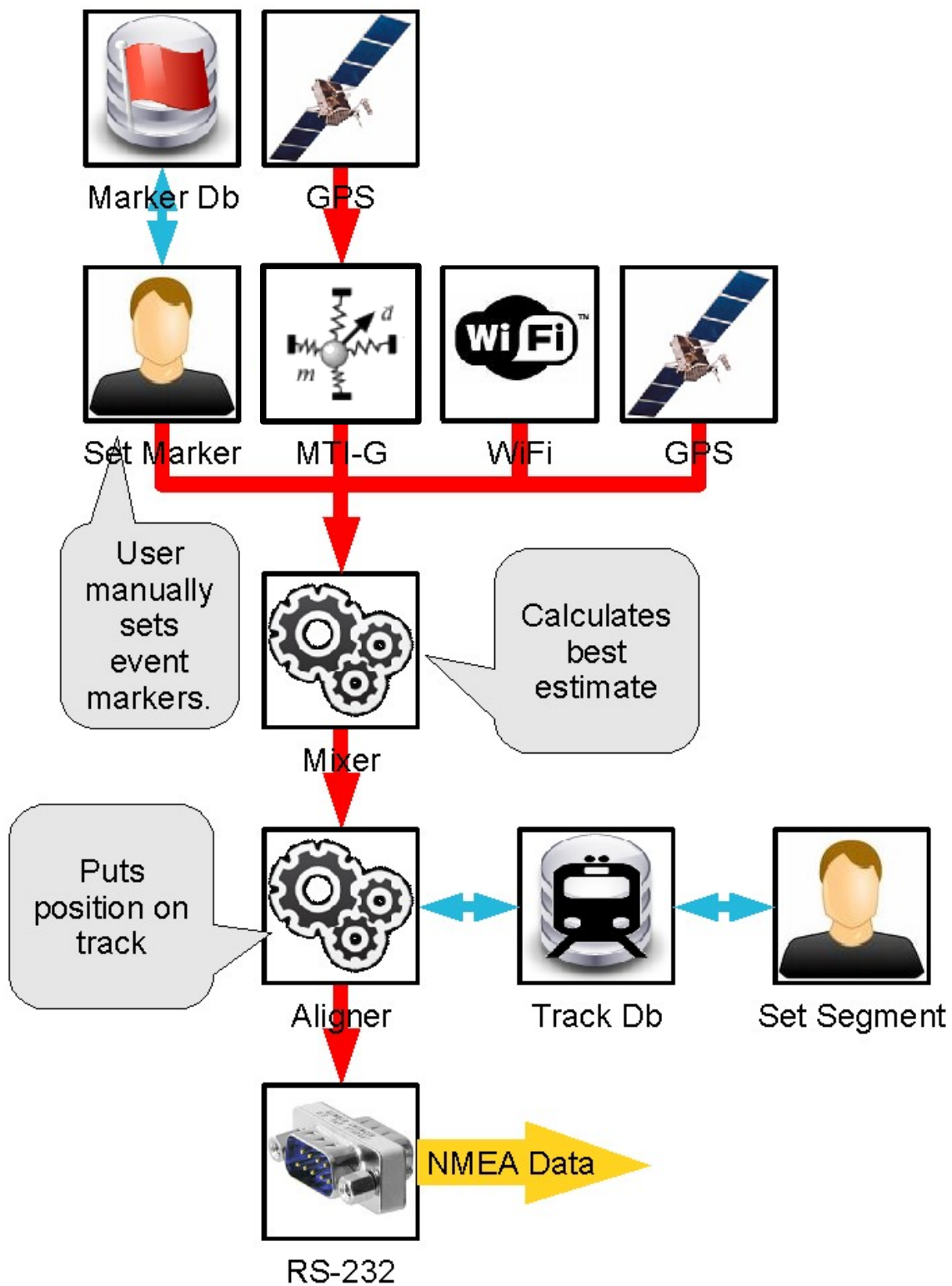


- Geo-located WiFi Access Points





Archi- tecture





Thank you.