



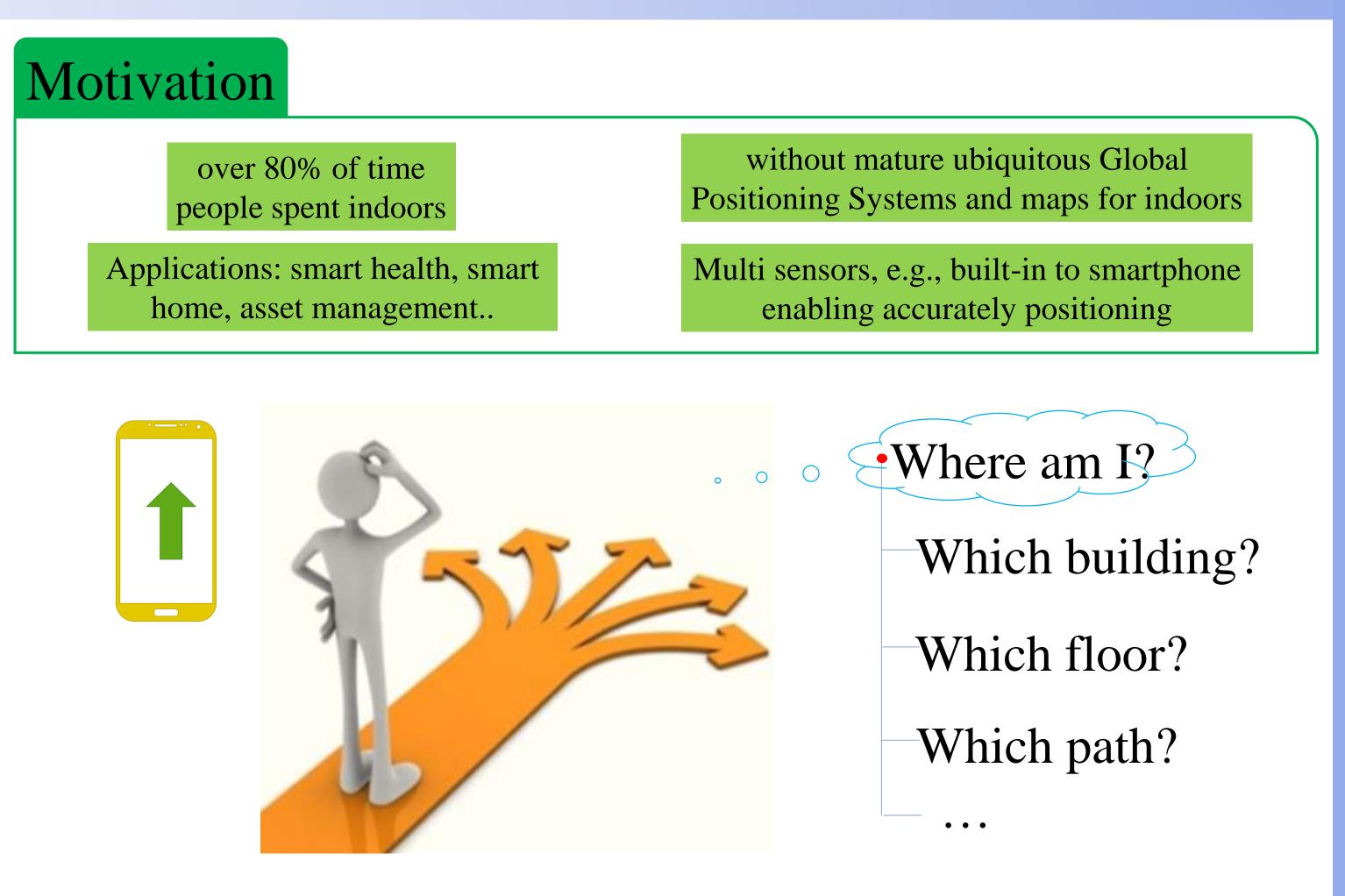
Smartphone-based Activity Recognition and Multi-sensor Fusion based Indoor Positioning System

Bang Wu¹, Chengqi Ma², Stefan Poslad¹, David R. Selviah², Wei Wu, Xiaoshuai Zhang¹, Guangyuan Zhang¹, Zixiang Ma¹

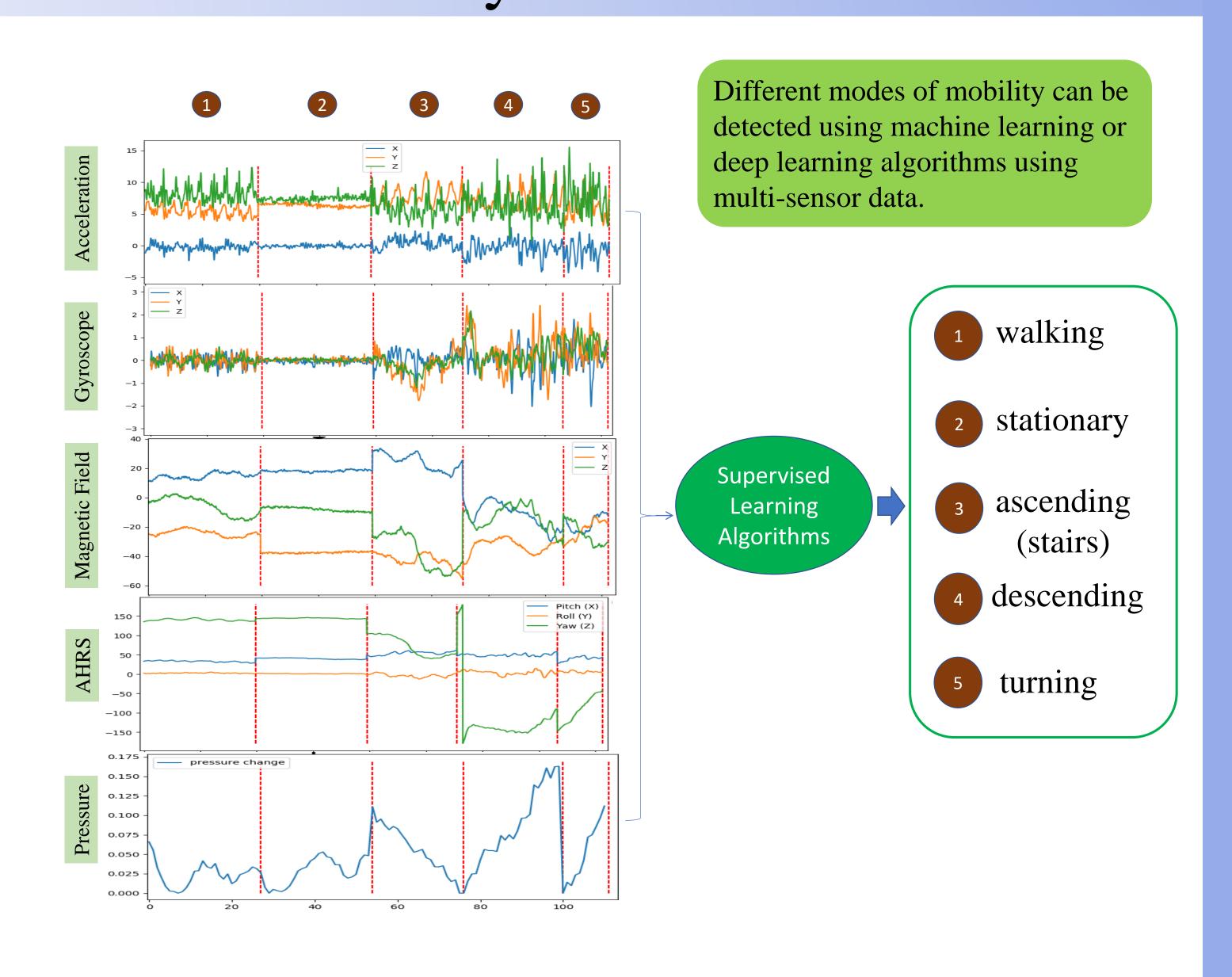
Queen Mary University of London, London, United Kingdom E1 4NS

2University College London, Gower Street, London, United Kingdom WC1E 7JE

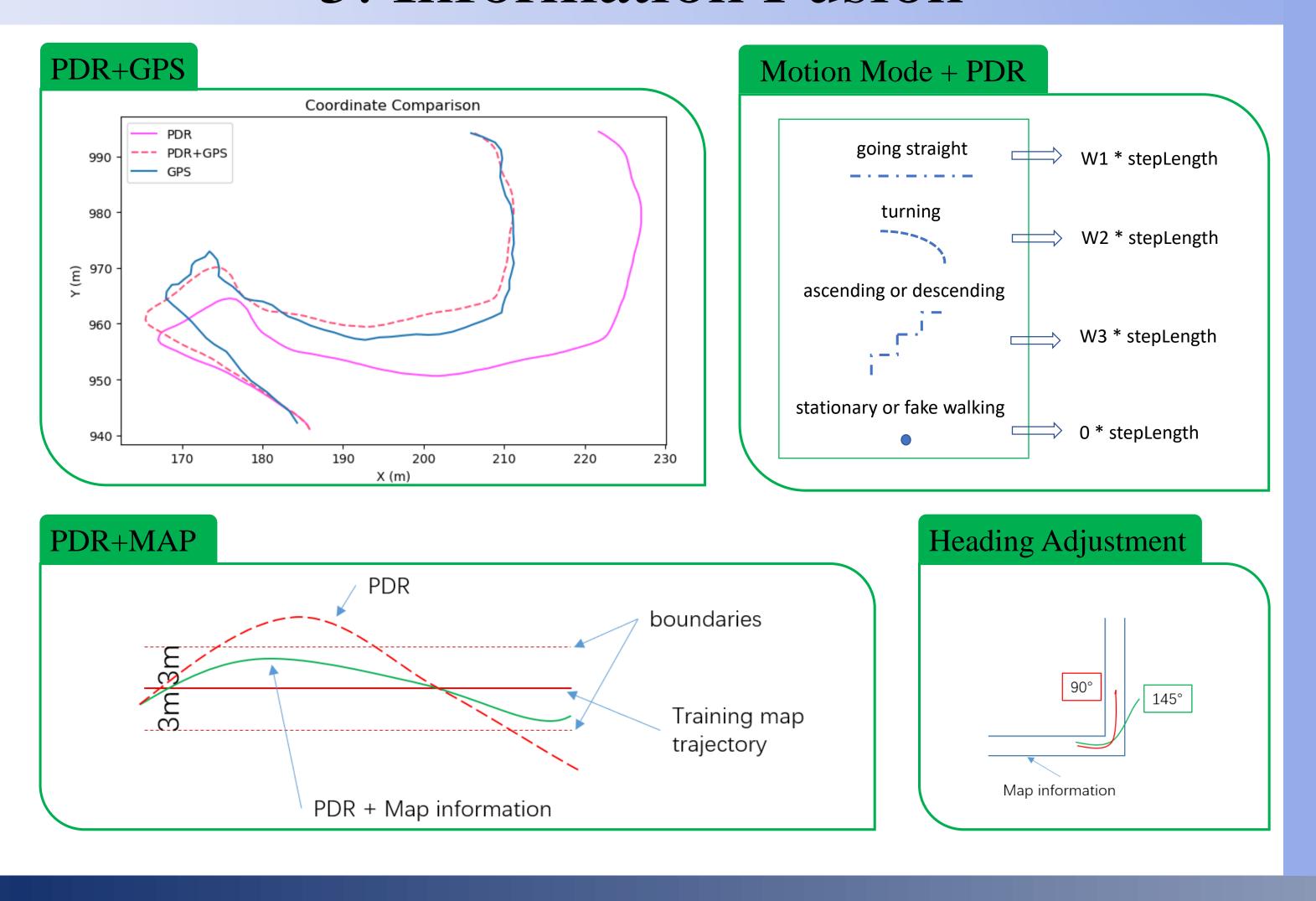
1. Introduction



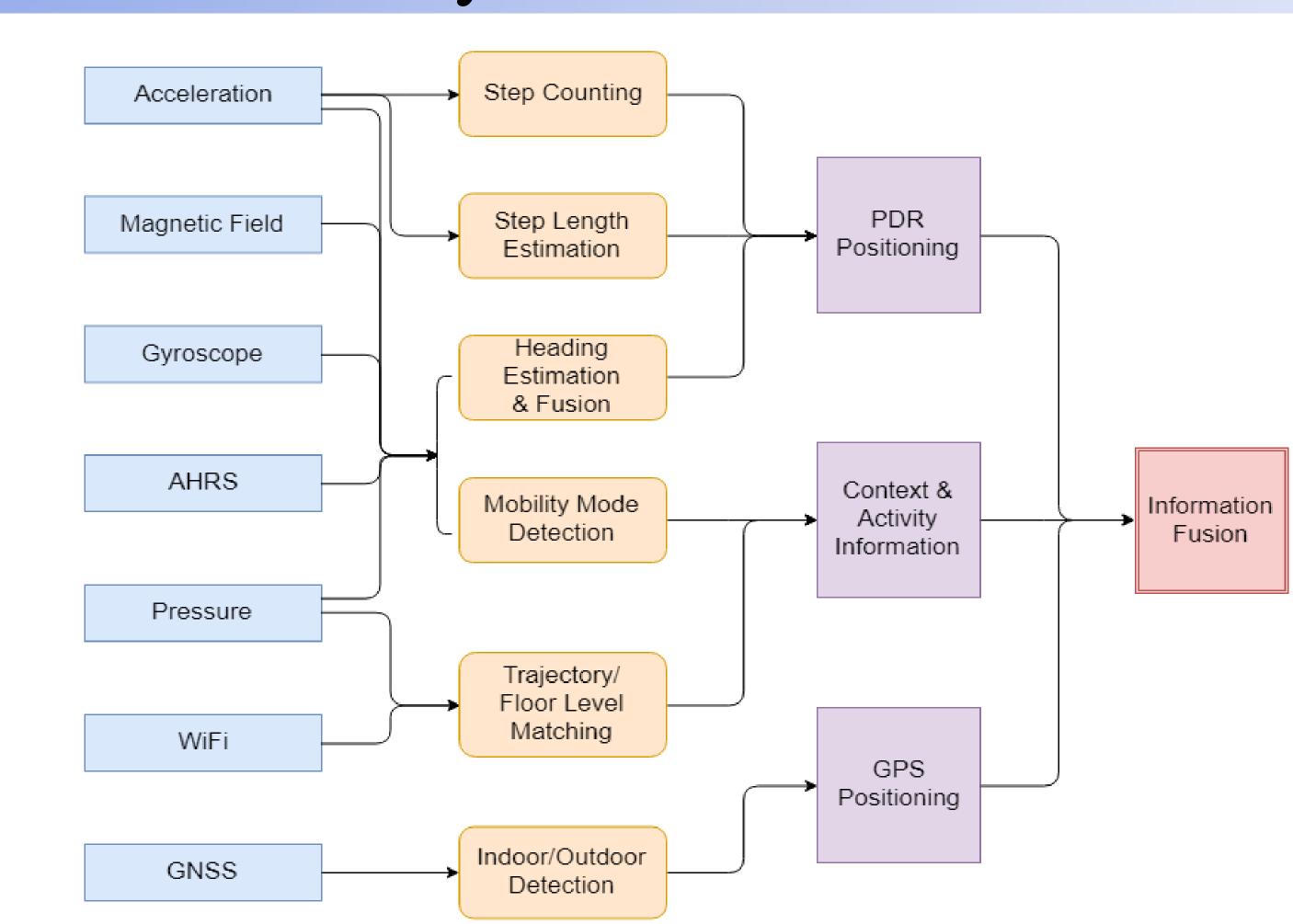
3. Mobility Mode Detection



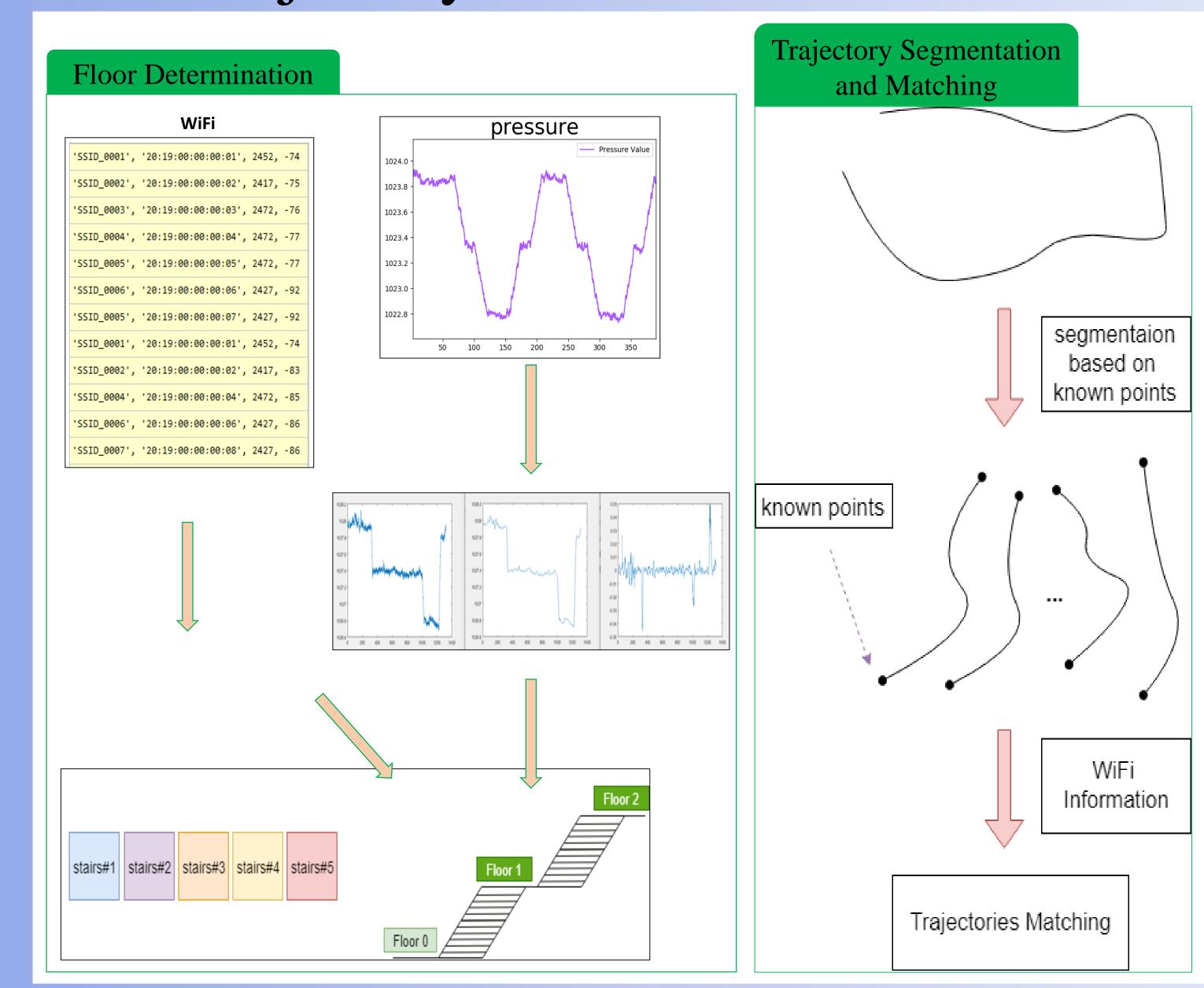
5. Information Fusion



2. System Framework



4. Trajectory/Floor ID Determination



6. Positioning Result Display

