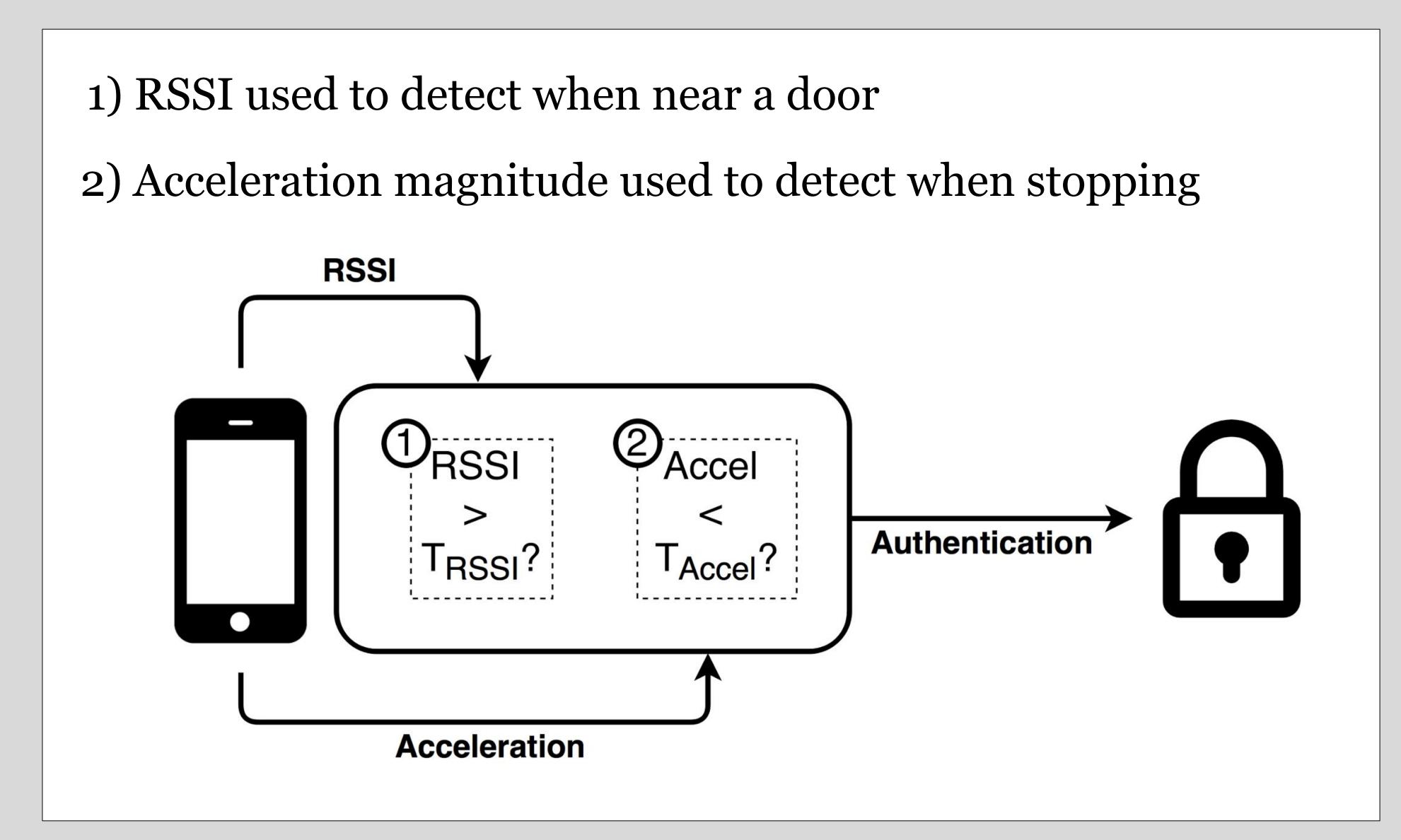
SureLock: Intention-based BLE Locking Scheme



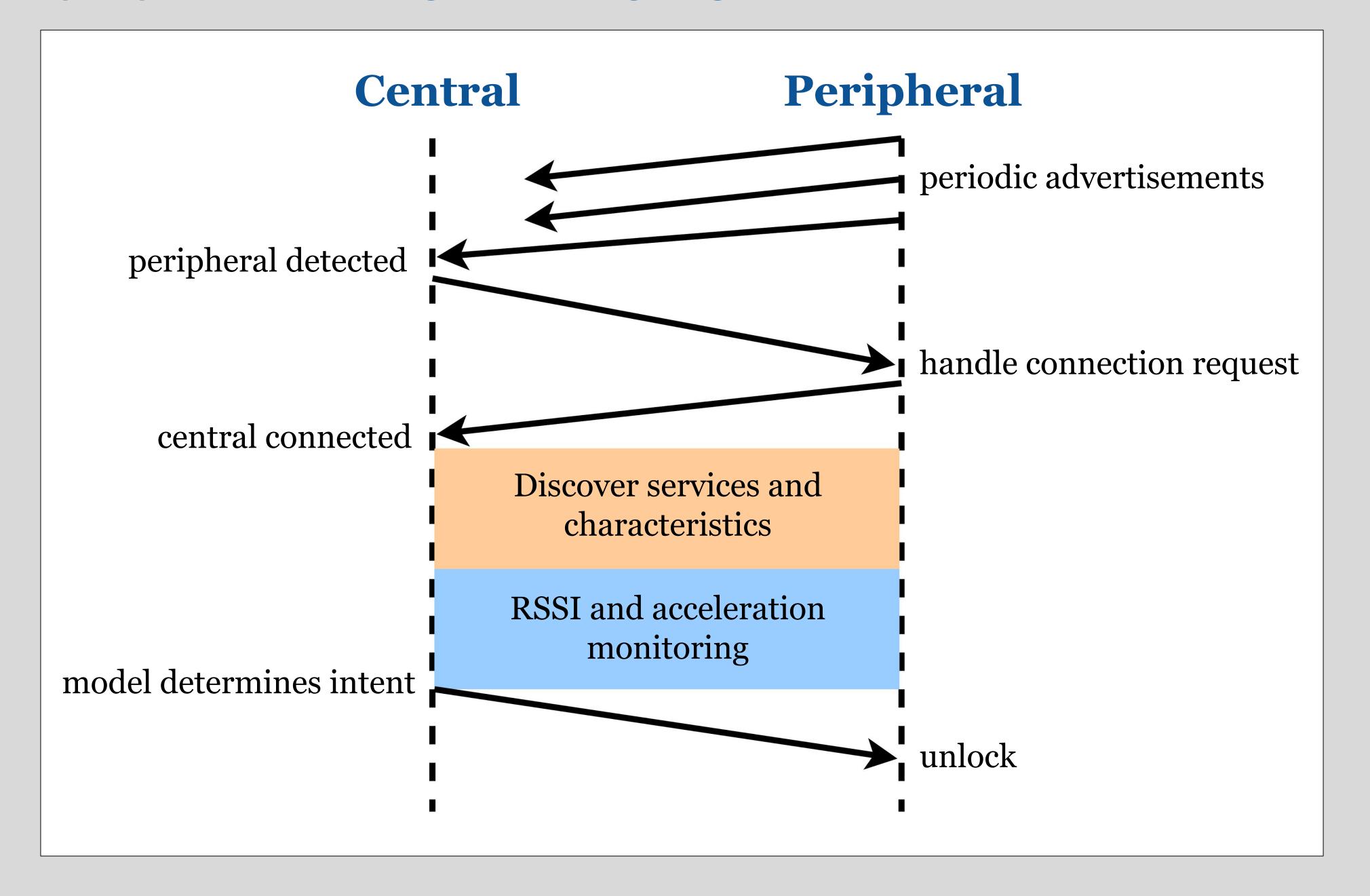
Austin Freel, Andrew Titus

The vast majority of current door lock systems involve some sort of physical interaction with the lock. We developed a system using Bluetooth Smart 4.2 and a sensor model using acceleration magnitude and RSSI data to detect a user's intentions to unlock a door.

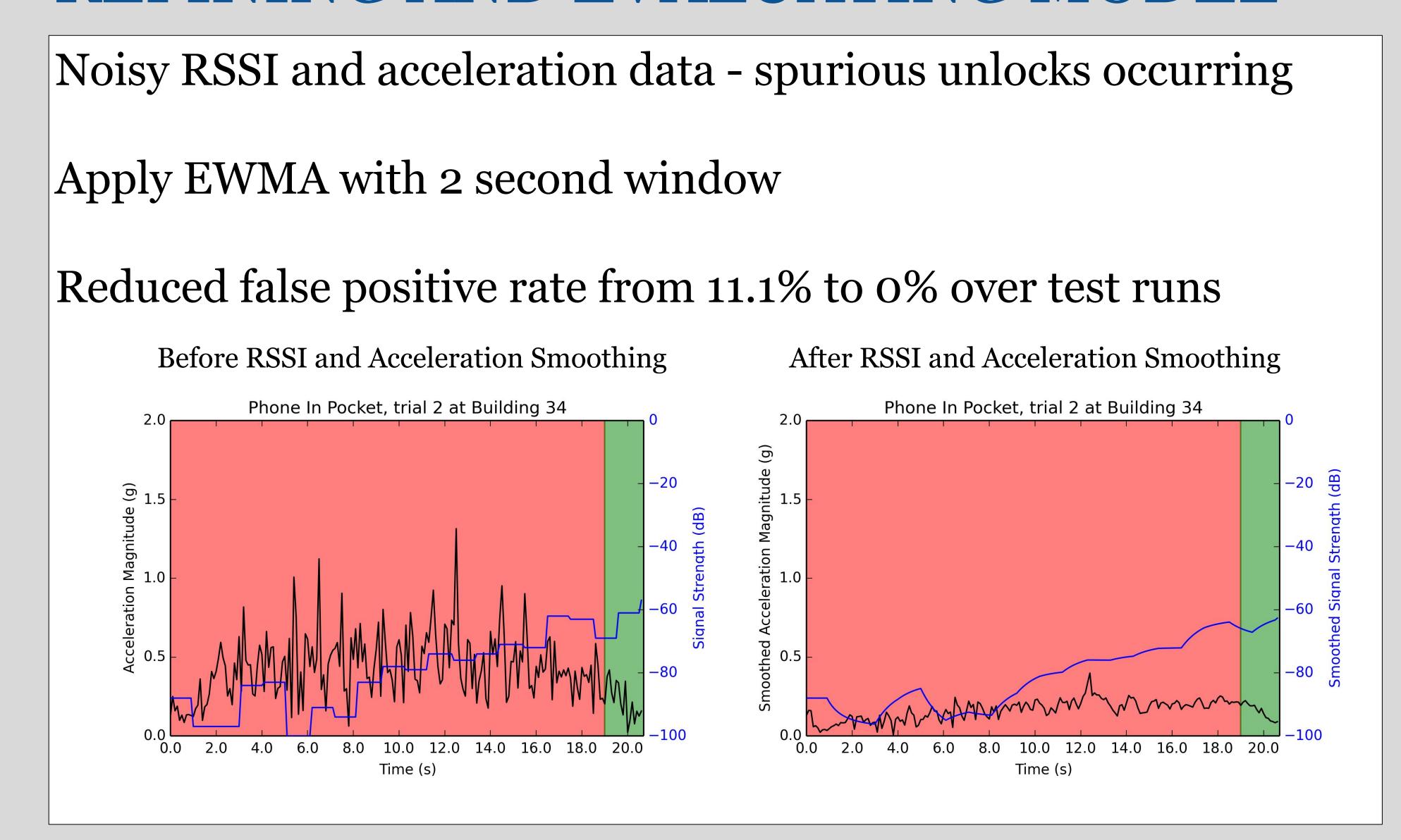
DEVELOPING A MODEL



SYSTEM ARCHITECTURE



REFINING AND EVALUATING MODEL



RELEARNING THRESHOLDS

