The 2 **Master theses** contain lots of background information on localization and specifically, Bluetooth localization system.

1. Evaluation of indoor positioning based on Bluetooth Smart technology (Master Thesis)
2. Practical Indoor Localization using Bluetooth (Master Thesis)

**Here's a guide for reading the papers.**

In general, the **introduction section of every paper** is useful for background knowledge of the topic which is, in our case, localization.

The papers can be grouped into the following categories for the reader to build up knowledge in localization.

1. **Information about obtaining range estimates from RSSI** 
   1. **Path loss model and shadowing**
      1. Distance Measurement Model Based on RSSI in WSN
      2. IEEE 802.11 WLAN based Real-time Location in Indoor and Outdoor Environments
      3. Algorithms for Location Estimation Based on RSSI Sampling
2. **Other methods on obtaining location estimates from RSSI (e.g. Fingerprinting)**
   * 1. Location Sensing Techniques
     2. COMPASS A Probabilistic Indoor Positioning System
3. **Trilateration (method to obtain location estimate from range estimates)**
   1. **Linear estimator**
      1. A New Approach to the Geometry of TOA Location
      2. Linear and approximate maximum likelihood localization from TOA measurements
   2. **Maximum likelihood estimator (MLE)**
      1. Statistical Theory of Passive Location Systems
      2. Position-Location Solutions by Taylor Series Estimation