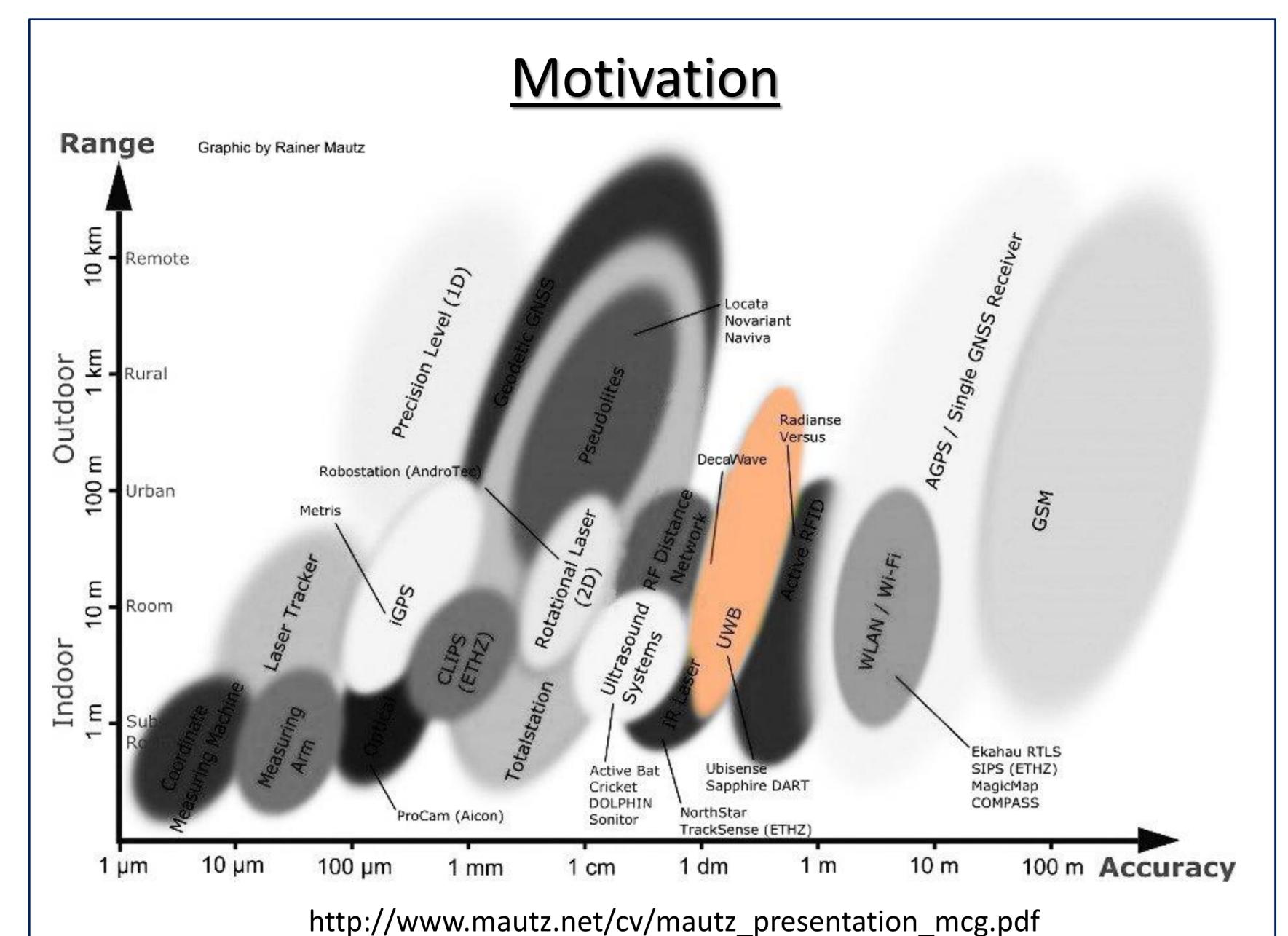
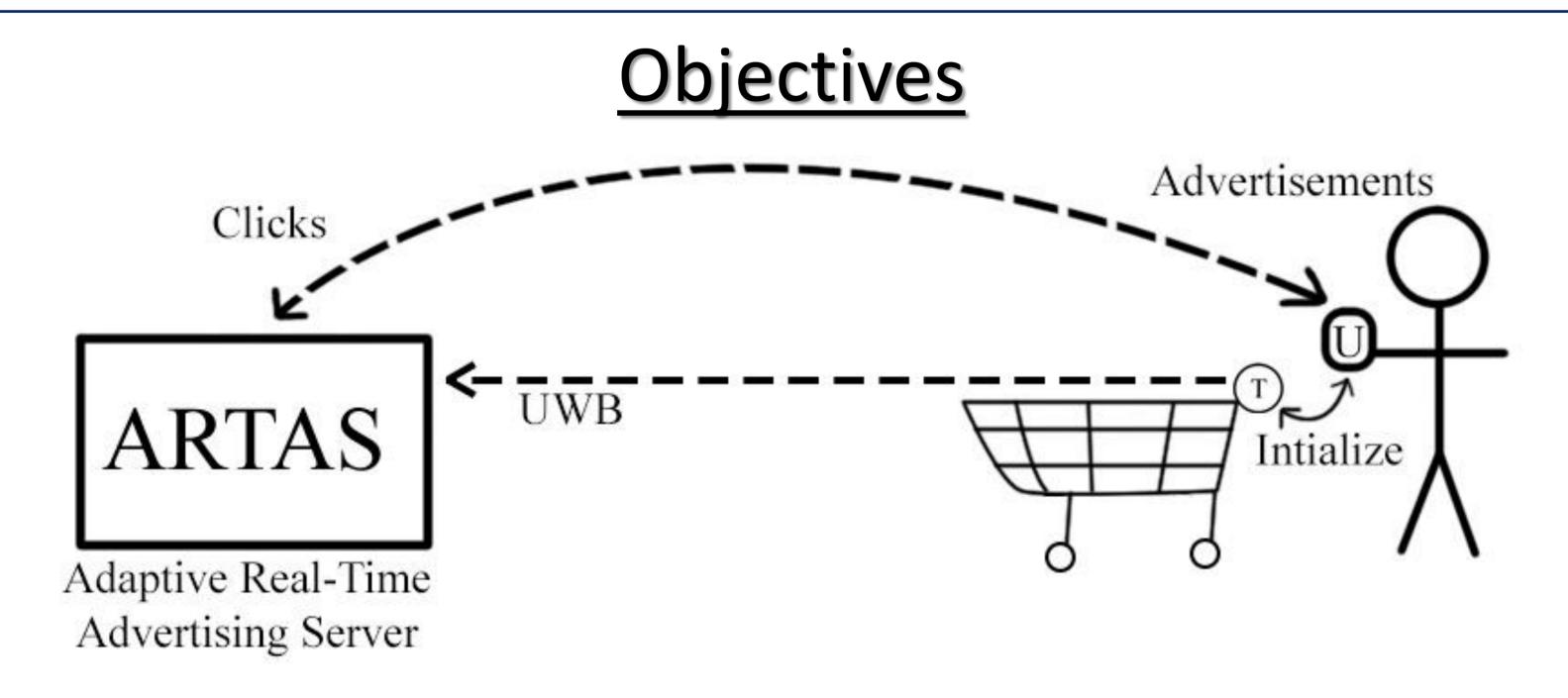
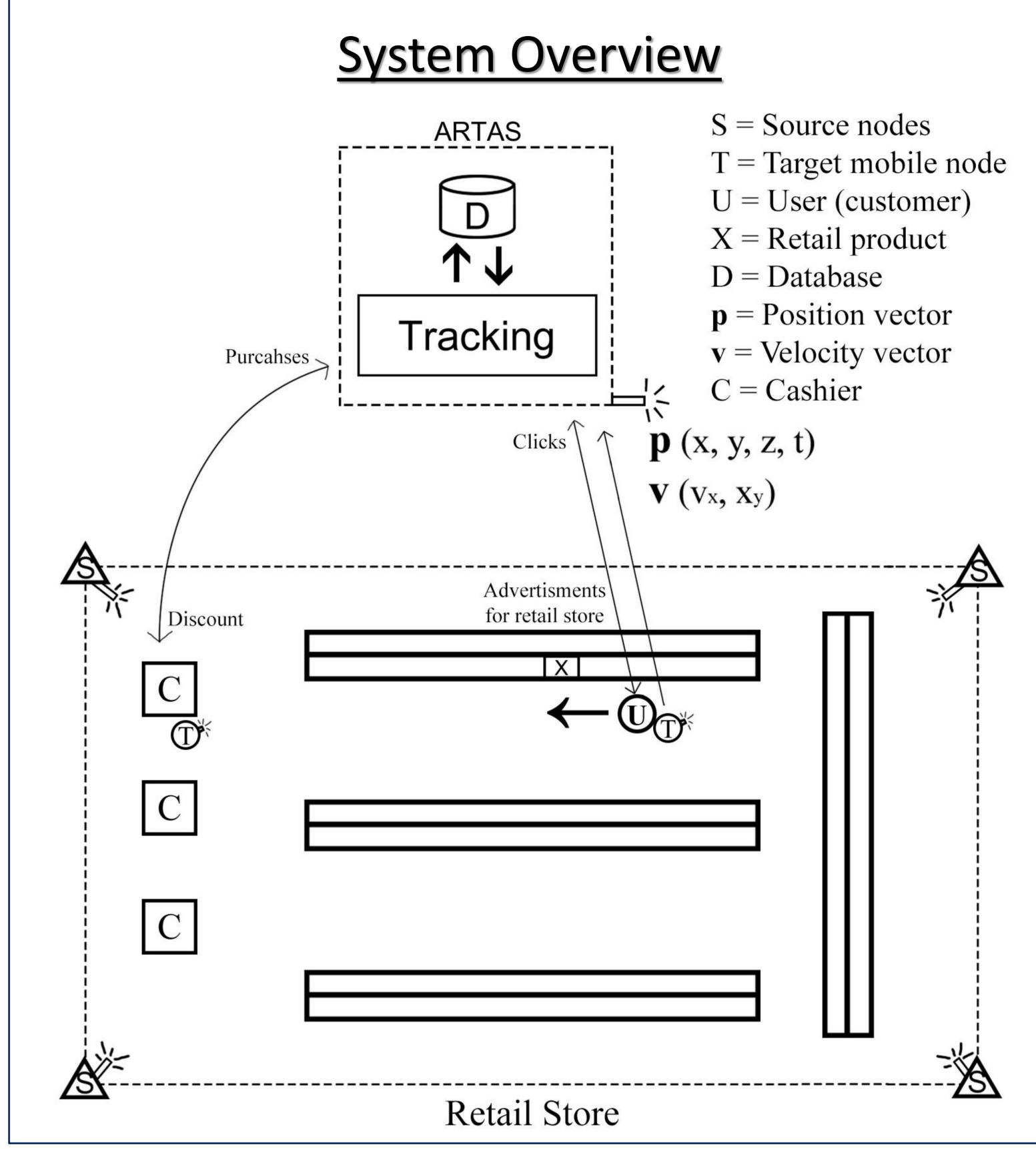
## Indoor Localization Supporting Smartphone Advertising Amy Seo, Brdford G. Nickerson and Wei Song

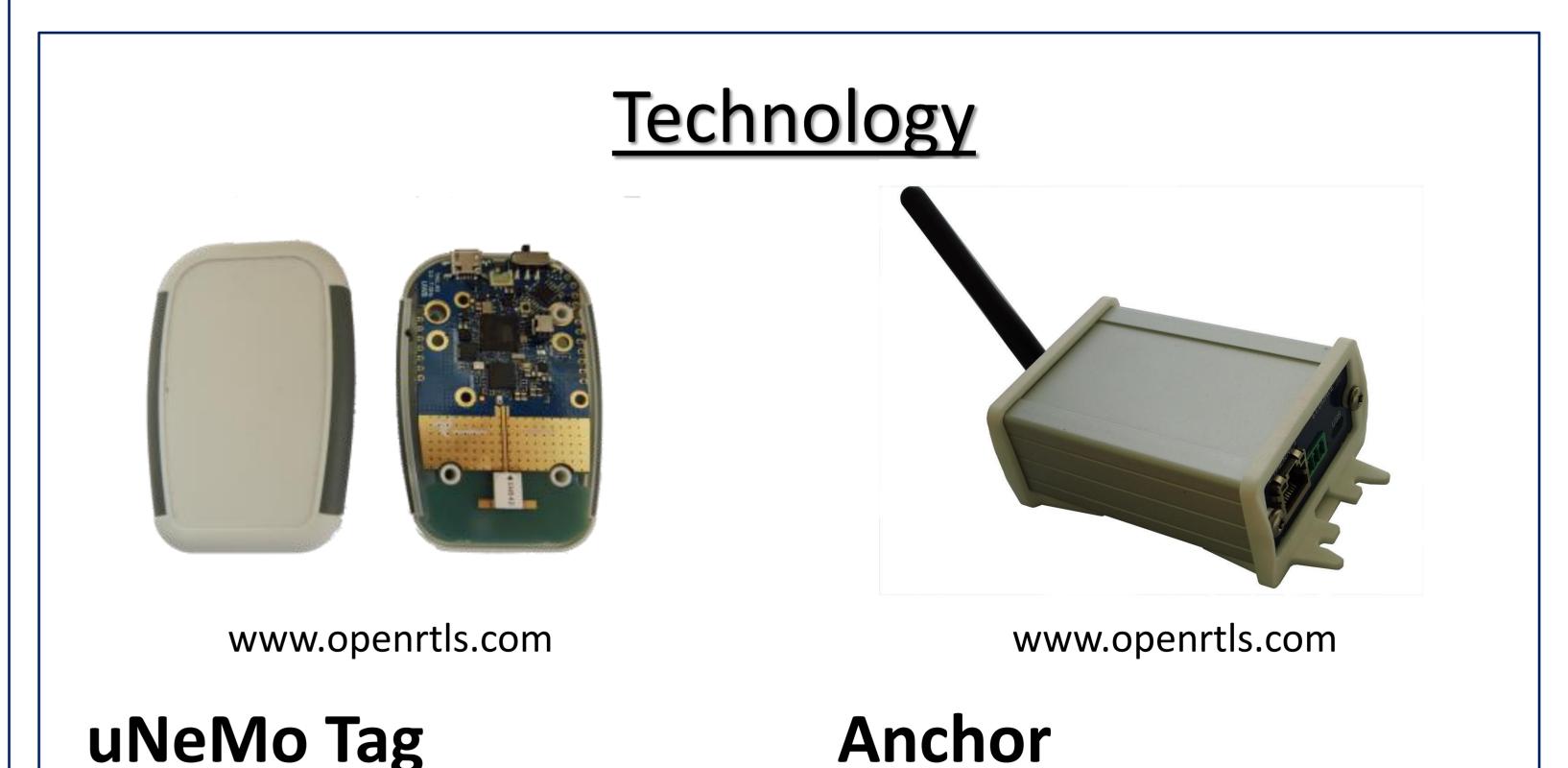


- •Highly accurate, large range, and cost effective localization system
- •Ultra-Wideband (UWB) systems are low power, cost effective systems suitable for indoor localization
- •Provide real-time advertisements for items in front of shoppers



- 1) How well can shopper movements be predicted using UWB in non-line of sight conditions?
- 2) How far ahead should advertisements be sent to shoppers?
- 3) How can a server side be built to efficiently deliver and maintain advertising to hundreds of shoppers for thousands of products?
- 4) How can the success of location based advertising be measured?





Dimensions: 80x60x36mm

Accuracy: 1 dm

Power: 300 mW

Dimensions: 75x50x17mm

Inertial Measurement Units





