

Intro to Location

Mobile and Ubiquitous Games

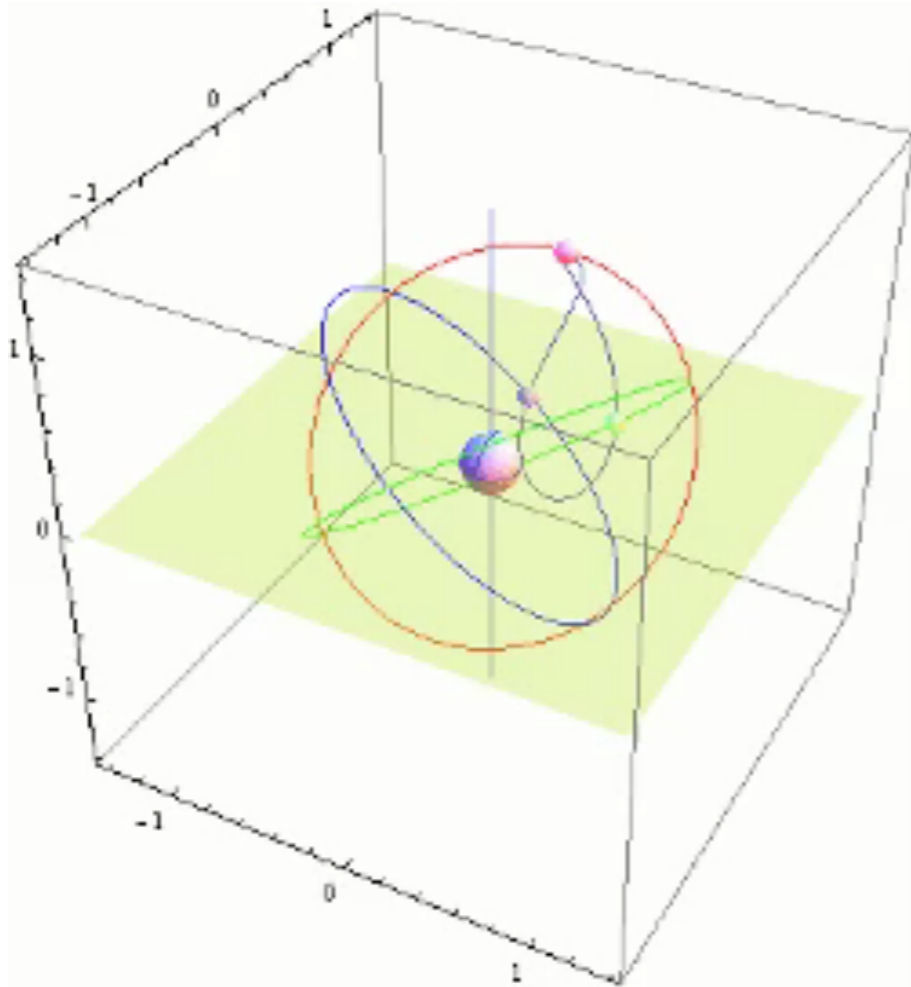
ICS 163

Donald J. Patterson



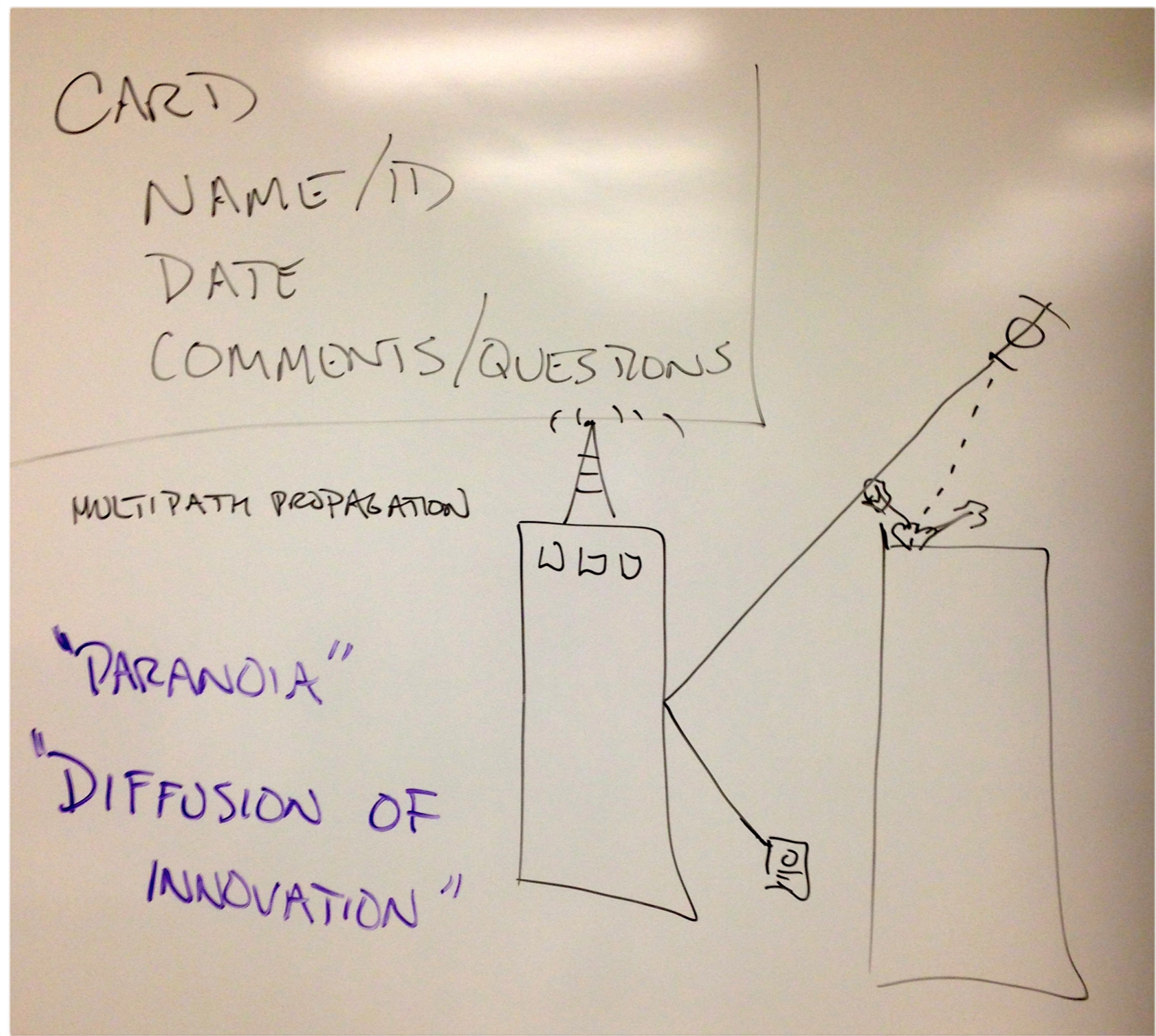
Global Location GPS

- The current and future of GPS
- Japanese Quasi-Zenith System

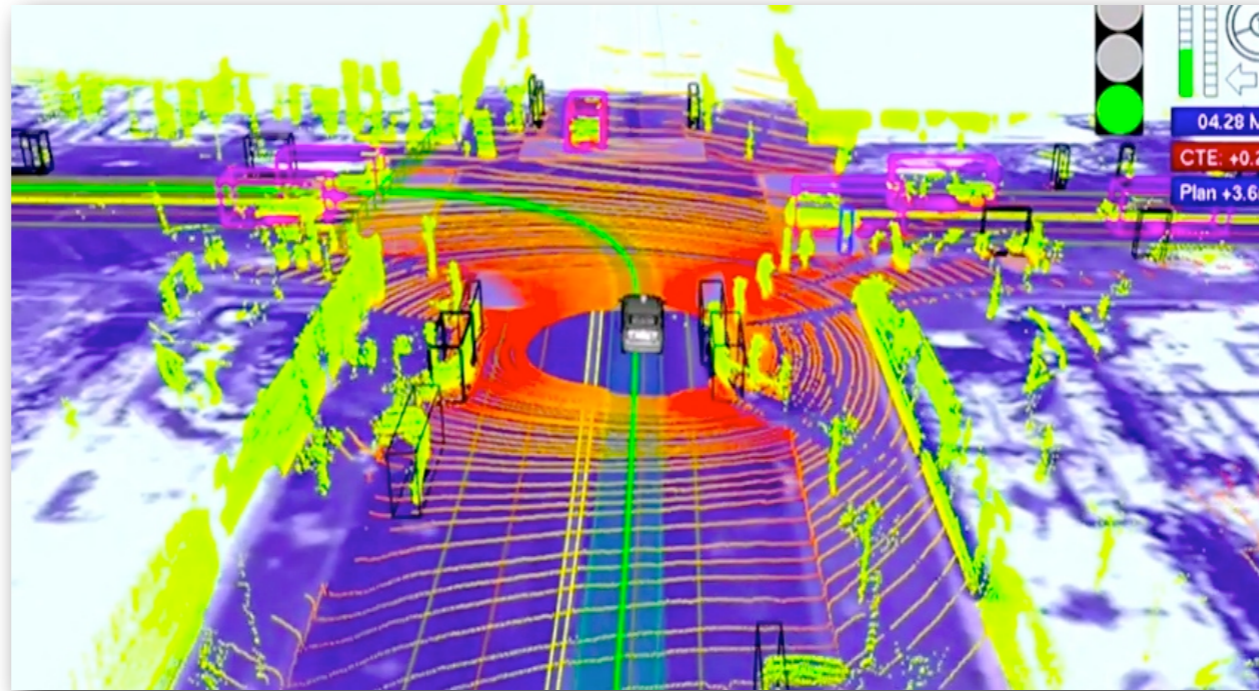


AUGMENTING GPS SIGNALS FOR ACCURACY IMPROVEMENT

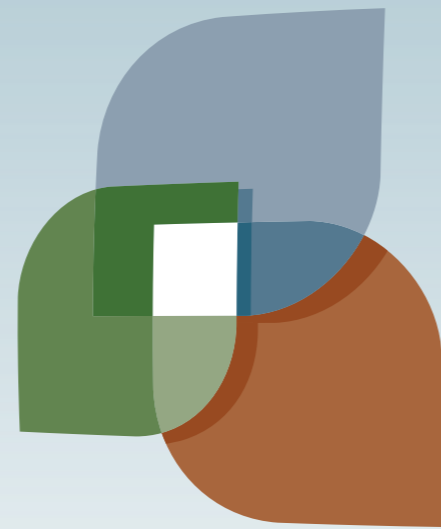
- SENSOR FUSION
- SATELLITE AUGMENTATION
 - WAAS
GEOSYNCHRONOUS
 - QZS
JAPAN
- • LASER RANGE FINDERS
- ROAD MAPS



Google's self-driving car



Two things seem particularly interesting about Google's approach. First, it relies on very detailed maps of the roads and terrain, something that Urmson said is essential to determine accurately where the car is. Using GPS-based techniques alone, he said, the location could be off by several meters.



L U C I

