



Increasing Values of Location-based Apps for End Users

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Barriers of Adoption

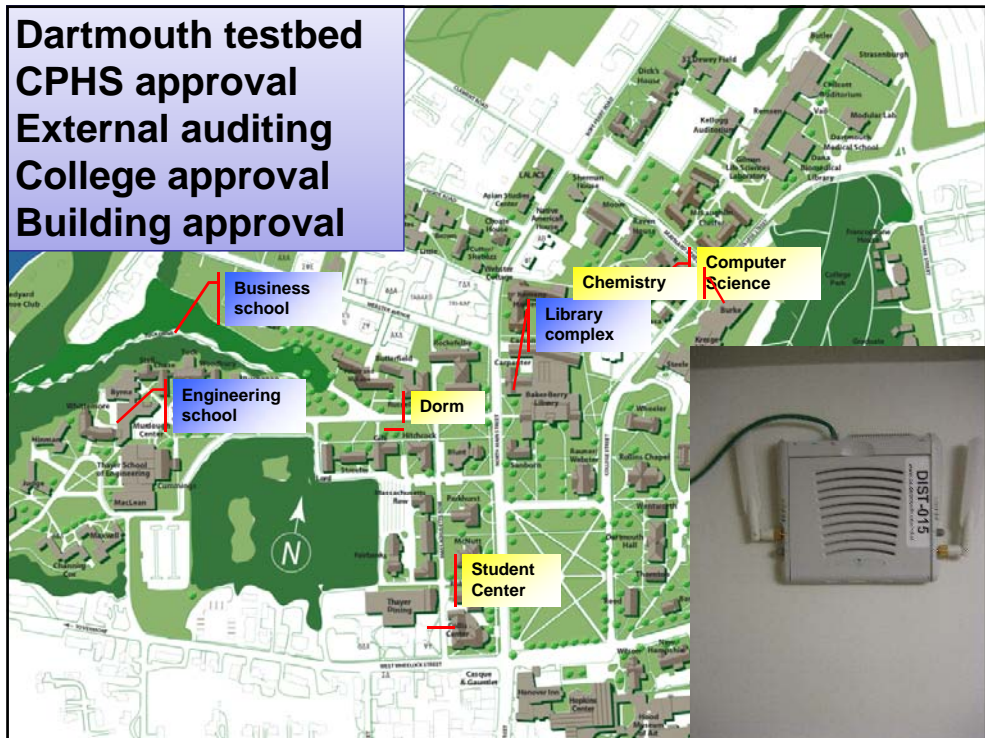
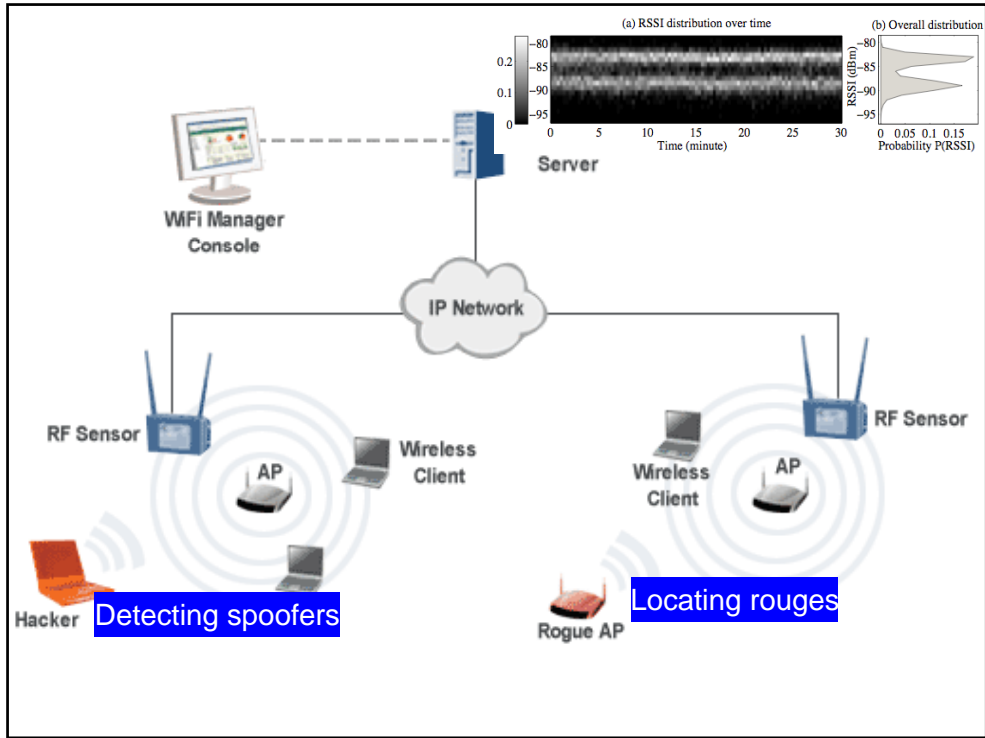
- Localization technology
- Devices and platforms
- User privacy and security



Two Projects

- Wireless Networks Monitoring
- Mobile Social Networks

WiFi Monitoring





Automated Diagnostics

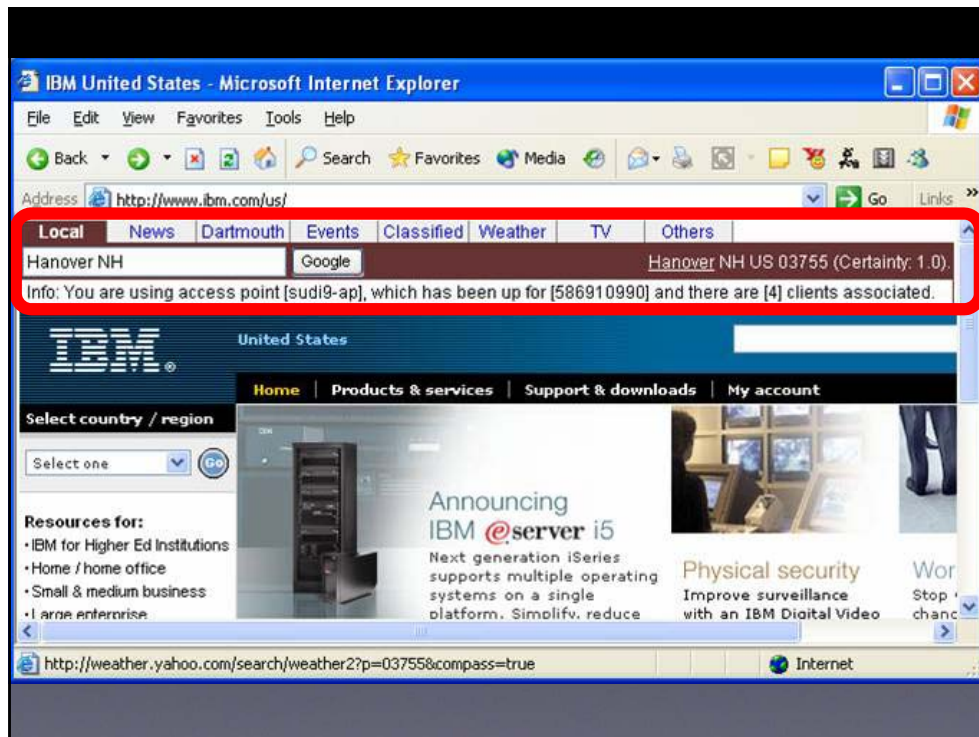
- Help desk challenges
- Connectivity problems
- Performance/quality issues
- Instrument nearby sniffers to capture

Mobile Social Networks



Mobile Applications

- Find
 - Business
 - Events
 - People (friends)
- Share
 - Location
 - Encounters
 - What are you doing?





Deeper Context

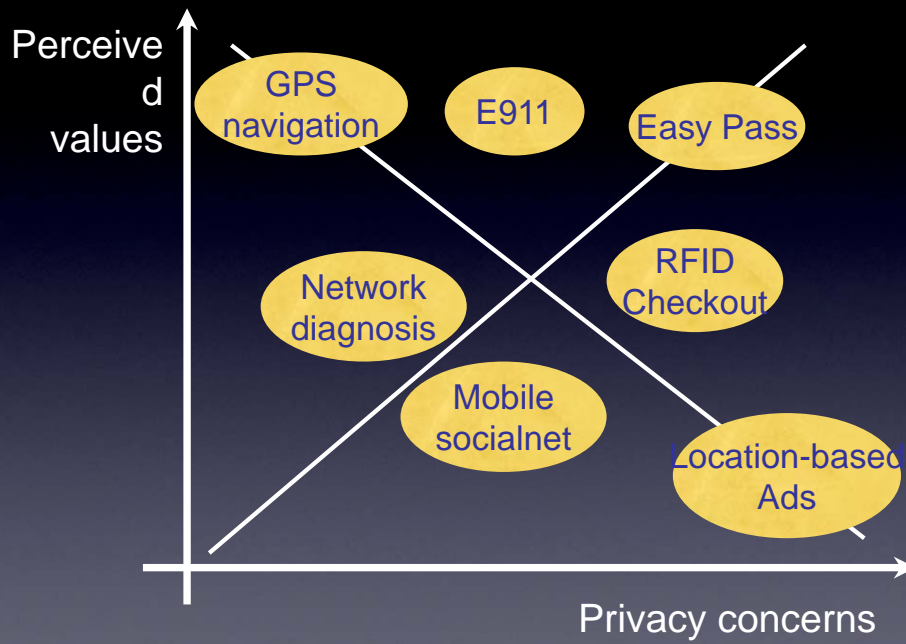
- Beyond location
 - Feelings, moods
 - Love, like, hate, dislike + sth.
 - Need, want, desire

| | SMS | Non-SMS |
|-----------|--|--|
| #updates | 1205 | 19529 |
| #users | 1137 | 14654 |
| top words | work 3% home 3% sleep 2.5% like 4.5% love 3% need 2% want 2% waiting 2% train 1.5% | work 2% home 1% sleep 1% like 2% love 1% need 1% want 1% waiting 0.3% train 0.1% |

twitter



Summary





Considerations

- What are user perceived values?
 - Explicitly engaged
 - Implicitly inferred
- Who knows the location?
 - User devices
 - Service providers

<http://www.cs.uml.edu/~glchen/>