

# Indoor positioning using smartphones

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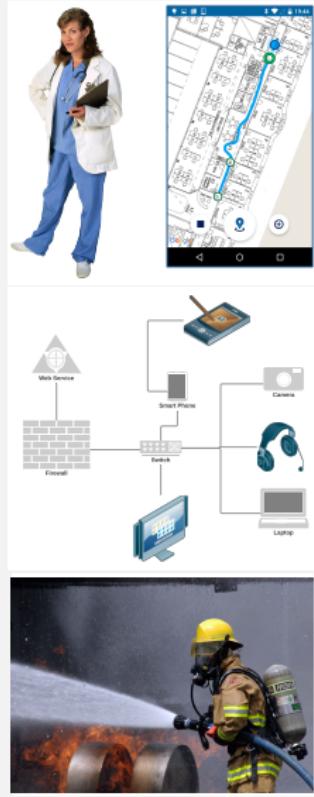
Research Winter Day, March 2, 2016

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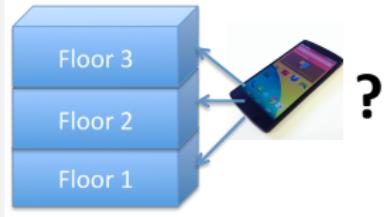
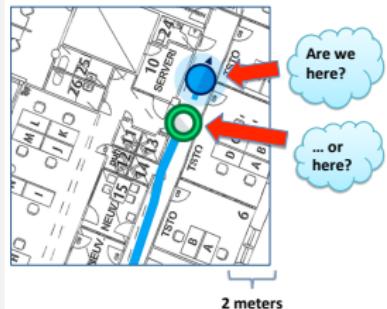
# Why indoor positioning is important?

- XXX



# Why indoor positioning is hard?

- XXX



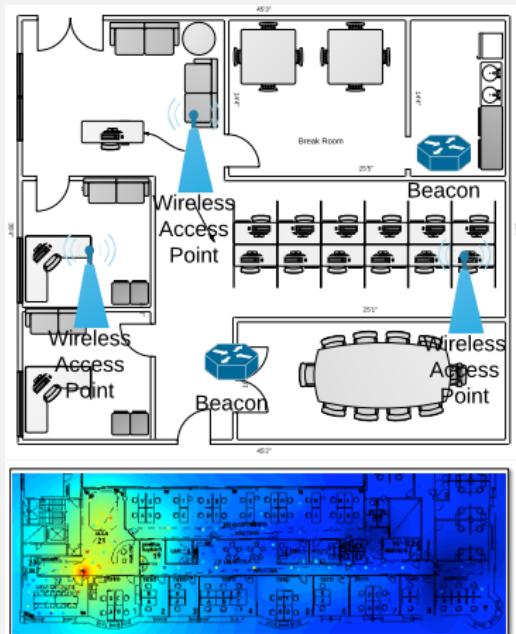
# Sensors in modern smartphones

- XXX



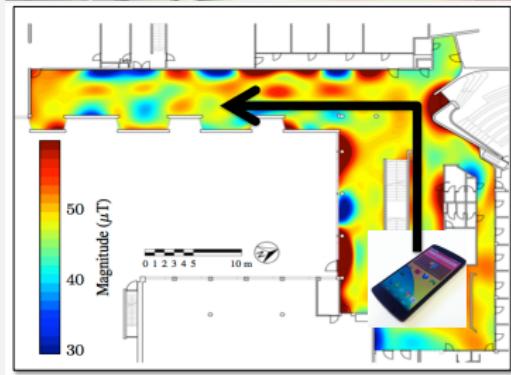
# WiFi and beacon-based positioning

- XXX



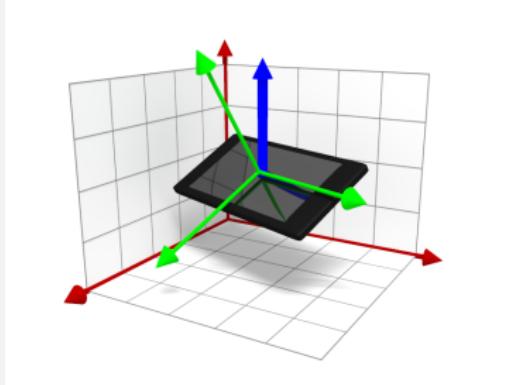
# Magnetic positioning

- XXX



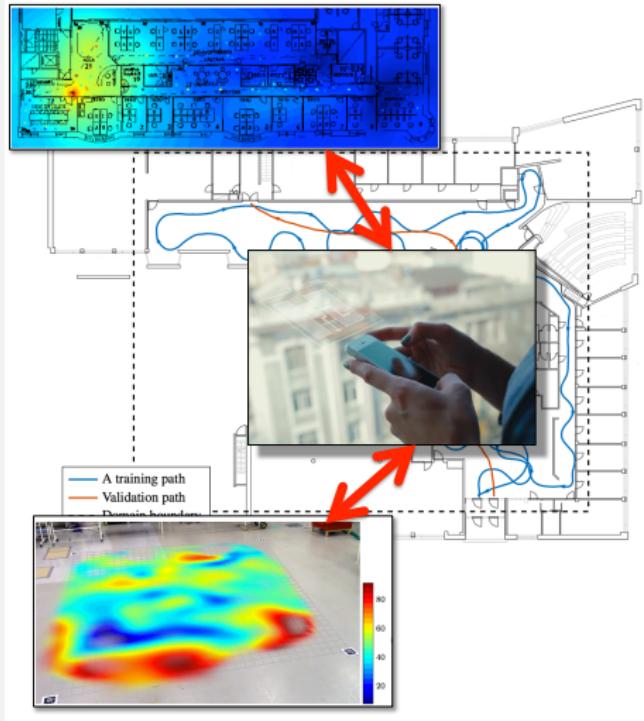
# Inertial navigation, PDRs, and orientation tracking

- XXX



# Simultaneous localization and mapping (SLAM)

- XXX



# Future insights, applications, visual information

- XXX

# Summary

- XXX