




Research on Privacy

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Current lines of privacy research

- **Helping users with privacy decisions**
 - Predicting users' privacy decisions and setting privacy defaults accordingly
 - Counteracting biases in privacy decision making
 - Effect of cultural factors on privacy decisions
- **Privacy control without a UI**
(e.g., in the “Internet of Things”, “sensor environments”)
 - Field experiment with Google Glass on campus
 - Instrumenting our School building with sensors

DARPA Brandeis Project

- Two IoT environments in Bren Hall:
 - Honeywell Enterprise Building Integrator (EBI)
 - Honeywell Tridium Open IoT platformUCI's SATWARE, an open semantic middleware for sensor data processing
- Numerous sensors
 - Video cameras, acoustic sensors, people counters, motion detectors, vibration/seismic sensors, light sensors, RFID readers, Bluetooth senders/receivers, entry/exit sensors for doors, thermal sensors, Bluetooth beacons and air quality and humidity sensors.

DARPA Brandeis Project

- Two IoT testbeds (one open, one closed)
- Many kinds of potentially privacy-invasive sensors
- Hundreds of building occupants and visitors
- 1 IRB protocol w/o user studies
- 1 IRB protocol for user studies

 **Partners can test privacy protections, controls and policies in these two test beds**