Objective:
- Develop a method for evaluating the impact of occupant behaviors on building energy use

Problem:
- Estimation of building energy use is not accurate due to various occupant behaviors
- Large energy use in building does not always lead to satisfied thermal environment

Expected Results / Impact:
- An improved model of acceptable office indoor environment based on occupant behaviors
- E+ with the acceptable comfort model and occupant behavior model
- Measured data of energy use
- Validated E+ simulation results

Approach:
Task 1: Expanding the data collection in different buildings and occupants (More offices at HLAB, 5 more buildings on campus, more buildings and homes in Lafayette, diversified occupants, etc.)
Task 2: Studying the impact of occupant behaviors on building energy consumption (Implement comfort and behavior models into E+. Collect energy data from HLAB offices to validate the simulations by E+.)