

# **Guidelines for Level 4: Walking and Climbing/Descending Stairs**

EE180D, Fall 2013

**Deadline:** 5pm on Wednesday, December 13

## **States:**

- Standing
- Walking on flat ground
- Walking up stairs, one stair for each step taken
- Walking up stairs, two stairs for each step taken
- Walking down stairs, one stair for each step taken

## **Testing script:**

- Stand for 15-30 seconds
- Walk on flat ground for ~30 seconds (to a stairwell)
- Walk up two floors of stairs, one step at a time
- Walk on flat ground for ~30 seconds (walk to a different stairwell)
- Walk down two floors, one step at a time
- Stand, 15-30 seconds
- Walk on flat ground for ~30 seconds
- Walk up two floors, two steps at a time
- Walk on flat ground for ~15 seconds
- Stand, 15-30 seconds

## **Notes:**

- All non-standing stages may be done at the same speed.
- Walking on flat-ground stages can simply be the time it takes you to walk from one stairwell to another in Engineering-IV.
- Try to minimize periods of 'Unknown' ground truth.
- For training, the more data the better!