ELEC 7970 Advanced Mobile Robotics

HW 1 Assigned Fri. 1/11/13 Due Mon. 1/14/13

1. Take a series of 5 – 10 digital photos while walking along a path (indoors or outdoors). The total length of the path should be in the range of 30 m.
2. Stitch them together into a single jpeg using any convenient method. Provide details of the method(s) you use.
3. Compose a second jpeg image in which the image from (2) has a track overlaid which approximately follows the center of the path.
4. Discuss briefly the reasoning and perception that you use to define the track. Think of this as a precursor to writing code that would automatically determine the track.

Submit this on Canvas, as a single Word or PDF document. Your submission should include the raw photos, the stitched photo, the stitched photo with track overlaid, and your discussion.