



Supplementary Figure 1. Experimental environment and equipment. Arrangement of (A) reference equipment and 2D-LiDAR equipment. B: 2D-LiDAR sensor (GL-310; SOSLAB Co, Gwangju, Korea). C: Example of a walking experiment. D: Central point (red) detection using 2D-LiDAR detection points in the walking experiment. LiDAR, light detection and ranging.