Generating three dimensional point cloud database of human reactive action

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1 Introduction

Point cloud database with labels involving reactive action in hazardous environment does not exist (Review is still on going). This paper will attempt to delineate a method to extract point clouds from RGB-D ouput to consturct a dataset with labelled and isolated point clouds. With the construction of this dataset, we will provide focused taxonomy on the human action involving ambulation. We will further define the taxonomy for ambulation on alerted action. In this context, alerted action is a reactive response in a form of human movement in hazardous environment (Further database improvement).

2 Point cloud databases on Human movement

3 Methodology

4 Movement taxonomy

5 Data structure on a human reactive action database