ABSTRACT

Aspects concern a method for detecting dynamic occlusion on one or more images associated with a location of interest comprising the steps of: receiving a plurality of image data files associated with a location of interest, each image data file associated with at least a part of the location of interest; for each image determining the position and orientation of an image capturing device relative to the location of interest and generating camera pose information; generating a corresponding depth map; generating a corresponding semantic segmentation; grouping the image, camera pose information, depth map and semantic segmentation based on coordinates of the location of interest to form an image group; generating a voxel grid associated with the image group; and determining whether each voxel in the voxel grid is in a dynamically occluded state.

FIG. 1