

Human-Detection and Tracking

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Abstract: *Real-time human detection and tracking is a vast, challenging and important field of research. It has wide range of applications in human recognition, human computer interaction (HCI), video surveillance etc. The research for detection of a person has reached far but the real-time tracking of human beings has not gained much importance. Tracking of human being can be used as a prior step in human recognition. Keeping continuous track of person will allow to identify. of persons at any time. The system consists of two parts first human detection and secondly tracking. Human detection step is split into face and body detection, Face is a vital part of human being represent most important information about the individual. The design consists of a Quad-Copter with an object detection camera and GPS to quickly track humans from distance on areas which are not quickly reachable from land and/or are not safe for a human to reach unknowingly. The key element here is the detection of humans below rubbles in case of disaster and terrorists' attacks. Moving Object Detection is a technique used in Artificial Vision. It consists of processing the video so that any object moving within the field of view can be detected. This technique is used to recognize the movement of an object, vehicle, or person through a camera in an autonomous mode and displaying an alarm to the operator*

Keywords: human detection.