

Visual tracking of human head and arms using adaptive multiple importance sampling on a single camera in cluttered environments

CM Huang, YR Chen, LC Fu - *Sensors Journal, IEEE*, 2014 - ieeexplore.ieee.org

Abstract—This paper presents a 2D upper body tracking algorithm using a single monocular camera. The proposed method can be applied on a stationary or moving camera platform, and is able to achieve real-time performance in cluttered environments, making it ...

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Static Gesture Recognition Combining Graph and Appearance Features

M Avraam - *International Journal of Advanced Research in Artificial ...*, 2014 - [Citeseer](http://citeseer.ri.cmu.edu)

Abstract—In this paper we propose the combination of graph-based characteristics and appearance-based descriptors such as detected edges for modeling static gestures. Initially we convolve the original image with a Gaussian kernel and blur the image. Canny edges ...

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