

Monitoring Different Aspects of Human Behavior in the Shop-Floor

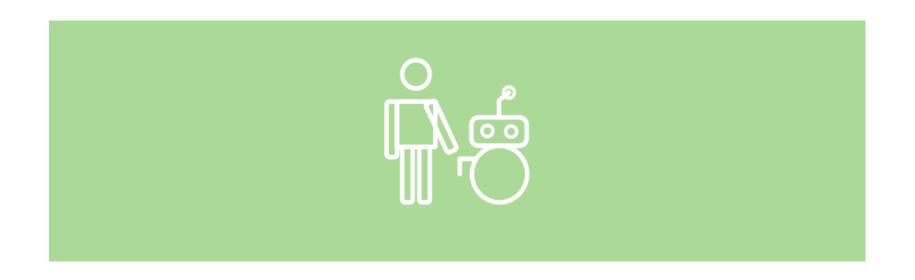
CF#1 Webinar, April 28th 2021 Jorge Oliveira, Researcher ISEP



Demo:

Monitoring Different Aspects of Human Behavior in the Shop-Floor





Object Detection













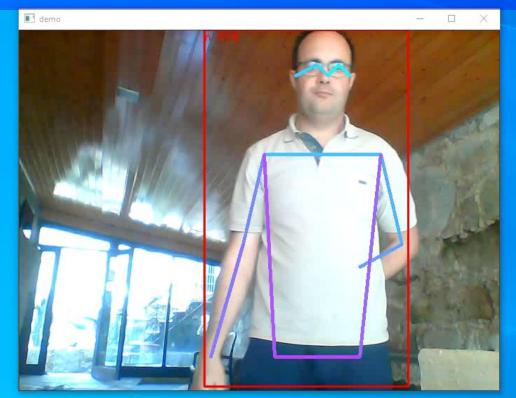








Pose Detection











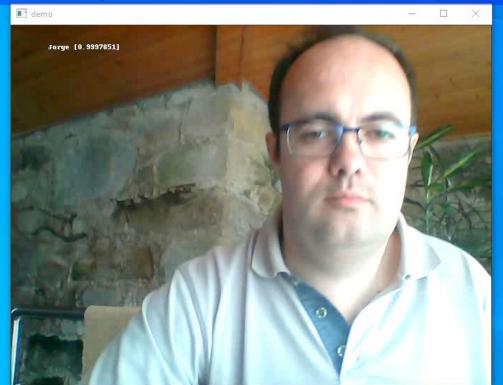








Human Recognition











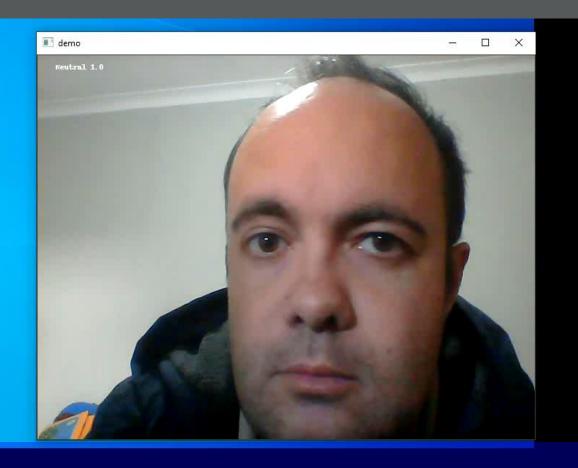






Human Emotion Recognition





Speech Emotion Recognition

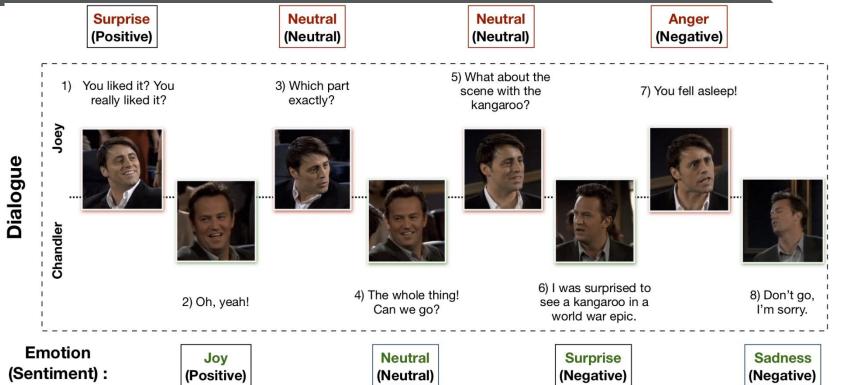




A screenshot of our system. The algorithm analyzes the speech of each subject, and outputs the likelihood of each emotion been manifested [1].

Multi-Modal Emotion Recogniton System.





An example of dialogue from the TV-show Friends (Figure adapted from [2])

[2] S. Poria, D. Hazarika, N. Majumder, G. Naik, E. Cambria, and R. Mihalcea, "Meld: A multimodal multi-party dataset for emotion recognition in conversations," in *Proc. 57th Annu. Meeting Assoc. Comput. Linguistics*, Florence, Italy, Jul./Aug. 2019, pp. 527536.



