



## System for Monitoring Movement and Physical Stress

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### The Invention

A monitoring system or tracking system may include an input port and a controller in communication with the input port. The input port may receive video from an image capturing device. The image capturing device is optionally part of the monitoring system and in some cases includes at least part of the controller. The controller may be configured to receive video via the input port and identify a subject within frames of the video relative to a background within the frames. Further, the controller may be configured to identify dimensions, posture, hand location, feet location, and/or other parameters of the identified subject in frames of the video and determine when the subject is performing a task. Based on the dimensions and/or other parameters identified or extracted from the video during the predetermined task, the controller may output via the output port assessment information.

### Additional Information

#### For More Information About the Inventors

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#### Tech Fields

- [Information Technology: Computing methods, software & machine learning](#)
- [Information Technology: Image processing](#)

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