

Study of stressful gestural interactions: an approach for assessing their negative physical impacts

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ABSTRACT

Despite the advantages of gestural interactions, they involve several drawbacks. One major drawback is their negative physical impacts. To reduce them, it is important to go through a process of assessing risk factors to determine the interactions' level of acceptability and comfort so as to make them more ergonomic and less tiring. We propose a method for assessing the risk factors of gestures based on the methods of posture assessment in the workplace and the instructions given by various standards. The goal is to improve interaction in virtual environments and make it less stressful and more effortless.

Full papers will be published in the Conference Proceedings and will be freely available to delegates at the conference and online on September 20, 2016.