

# Markerless motion tracking: MS Kinect and Organic Motion OpenStage

A L Brooks<sup>1</sup>, A Czarowicz<sup>2</sup>

<sup>1</sup>AD:MT, School of ICT, Aalborg University,  
Niels Bohrs vej 8, Esbjerg, DENMARK

<sup>2</sup>VP Sales, Organic Motion, USA

<sup>1</sup>*tb@create.aau.dk*, <sup>2</sup>*alex@organicmotion.com*

<sup>1</sup>*medialogy.eu*, <sup>2</sup>*www.organicmotion.com*

## ABSTRACT

This contribution focuses on the Associated Technologies aspect of the ICDVRAT event. Two industry leading markerless motion capture systems are examined that offer advancement in the field of rehabilitation. Residing at each end of the cost continuum, technical differences such as 3D versus 360 degree capture, latency, accuracy and other issues are discussed. The plusses and minuses are presented including reflections on the evolution of the MS Kinect to be a stand-alone device for PC with a SDK to offer access for creative programmers to develop systems for disabled users. A conclusion is how the SDK enables half-torso and mirroring calibrations offering new opportunities for wheelchair users.

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**Full papers will be published in the Conference Proceedings and will be available to delegates at the conference on Sept. 10.**

**Full papers will be released on-line in the ICDVRAT archive on March 15.**