

Yes, We Scan

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Abstract

Dynamic analytics of the human body are undergoing drastic changes with the progress of technologies based on anthropometric data and artificial intelligence (AI). At the Instituto de Biomecánica (IBV), we have an advanced environment to study and attain greater knowledge about human interactions: our Human Analysis Lab (HAL) uses the Move4D system, a new generation scanner that captures the body shape in motion at high speed and resolution. This technology opens up a world of new and exciting opportunities in fields such as Biomechanics, Apparel, Computer Vision or the Metaverse.

Our presentation will cover the overview of the Institute, the key features of the Move4D scanning system and the ongoing developments with representative cases of improvements of aspect, improvements of algorithms, dynamic measurements and the integration into different pipelines."