

Supplementary Videos S1–S4: Animations of the optoelectronic-based and IMU-based biomechanical models for preferred speed and arm swing gait in a representative subject



OPT_sagittal.webm

Video S1. Sagittal-plane view of the optoelectronic-based biomechanical model with spherical markers. Upper-limb bones and markers and lower-limb muscles have been hidden for visual clarity. Preferred speed and arm swing gait is shown for a representative participant.



OPT_front.webm

Video S2. Frontal-plane view of the optoelectronic-based biomechanical model with spherical markers. Upper-limb bones and markers and lower-limb muscles have been hidden for visual clarity. Preferred speed and arm swing gait is shown for a representative participant.



IMU_sagittal.webm

Video S3. Sagittal-plane view of the IMU-based biomechanical model with IMUs in the segment frame. Upper-limb bones and lower-limb muscles have been hidden for visual clarity. Preferred speed and arm swing gait is shown for a representative participant.



IMU_front.webm

Video S4. Frontal-plane view of the IMU-based biomechanical model with IMUs in the segment frame. Upper-limb bones and lower-limb muscles have been hidden for visual clarity. Preferred speed and arm swing gait is shown for a representative participant.