

CusToM Workshop

XSENS vs VICON capture comparison

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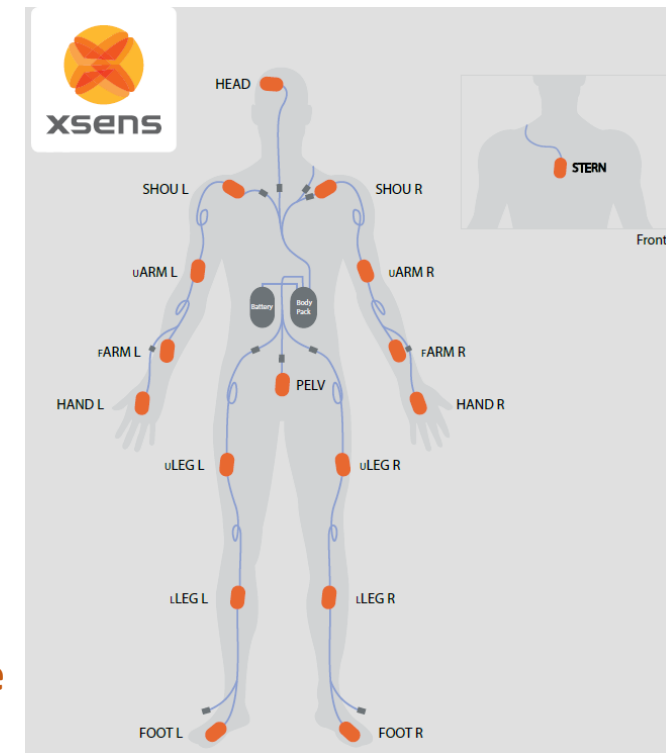
Pre-work

1. Go in `Examples/4_XSENS_VICON`

What is XSENS ?

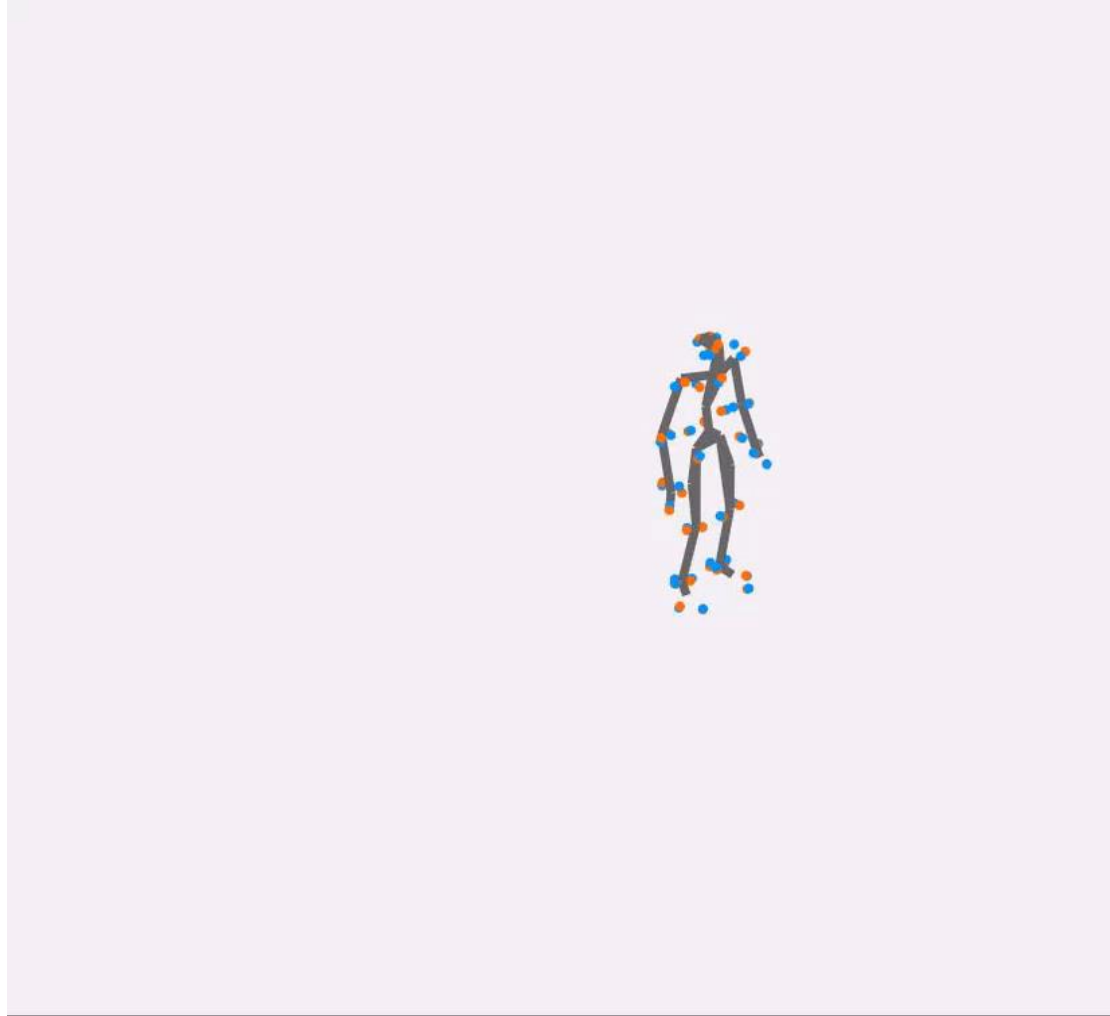


IMU SENSORS



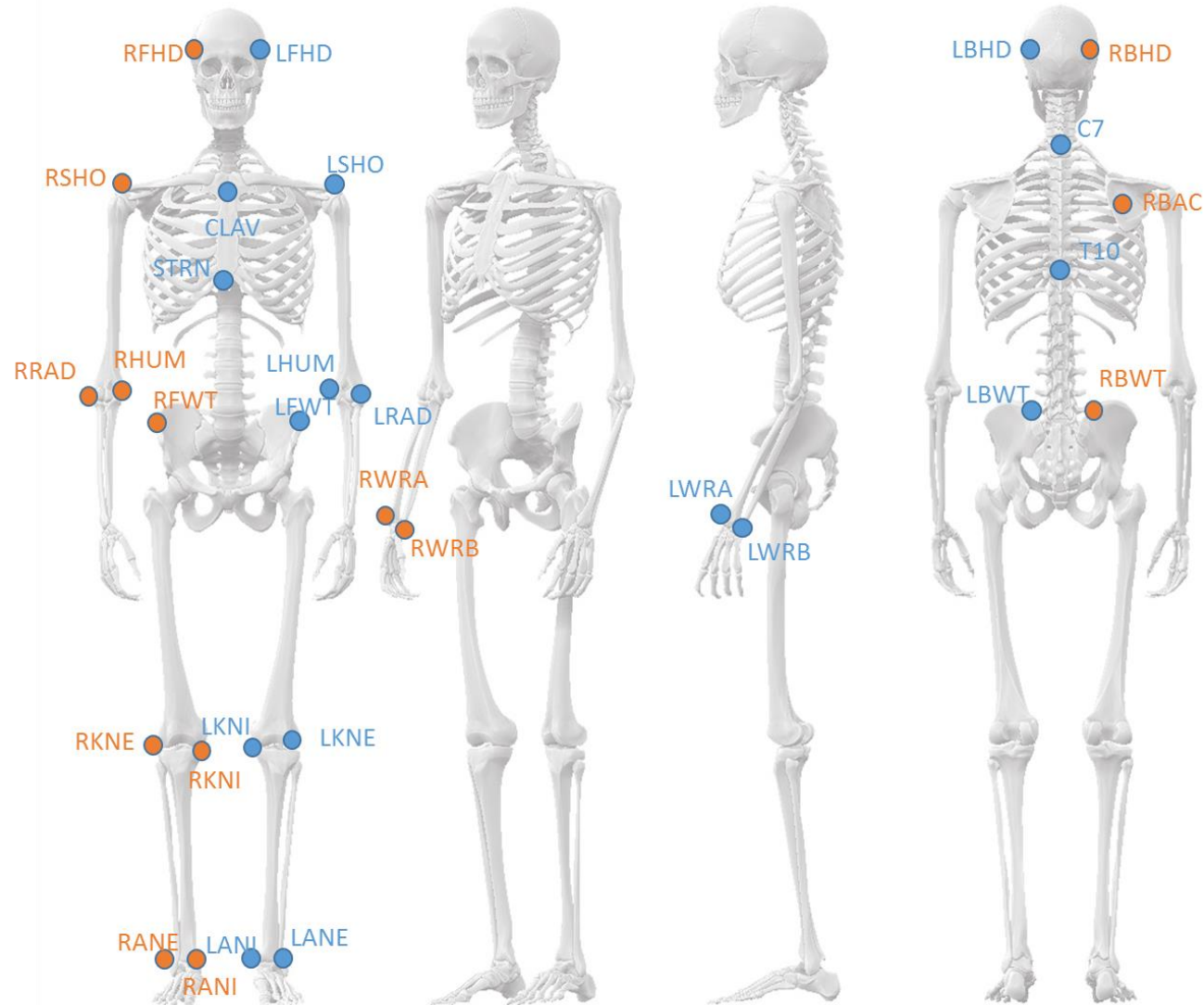
Full body motion capture

Motions to analyse



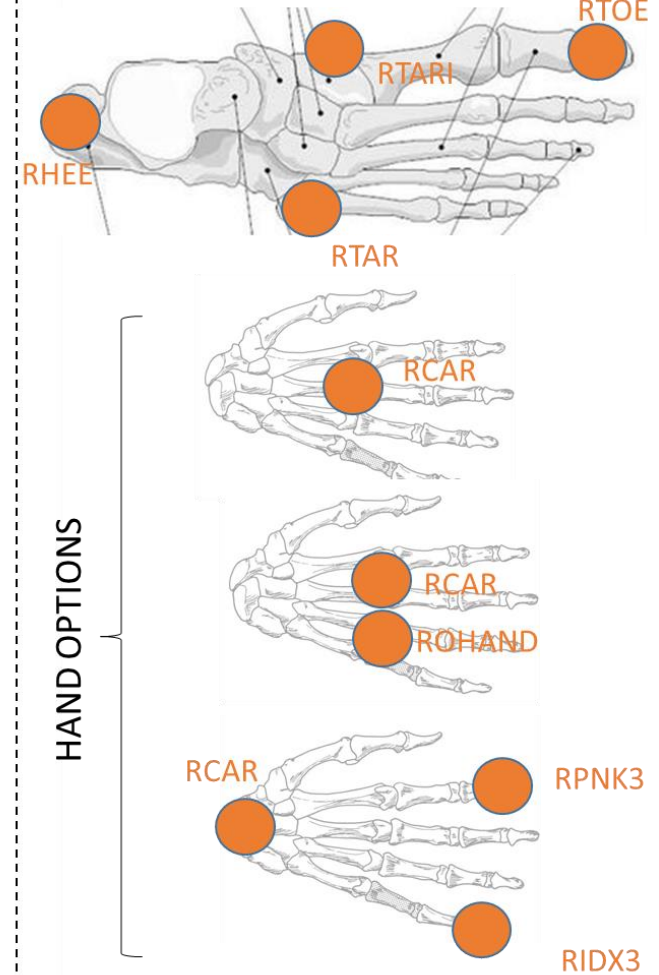
Manutention tasks

M2S markerset

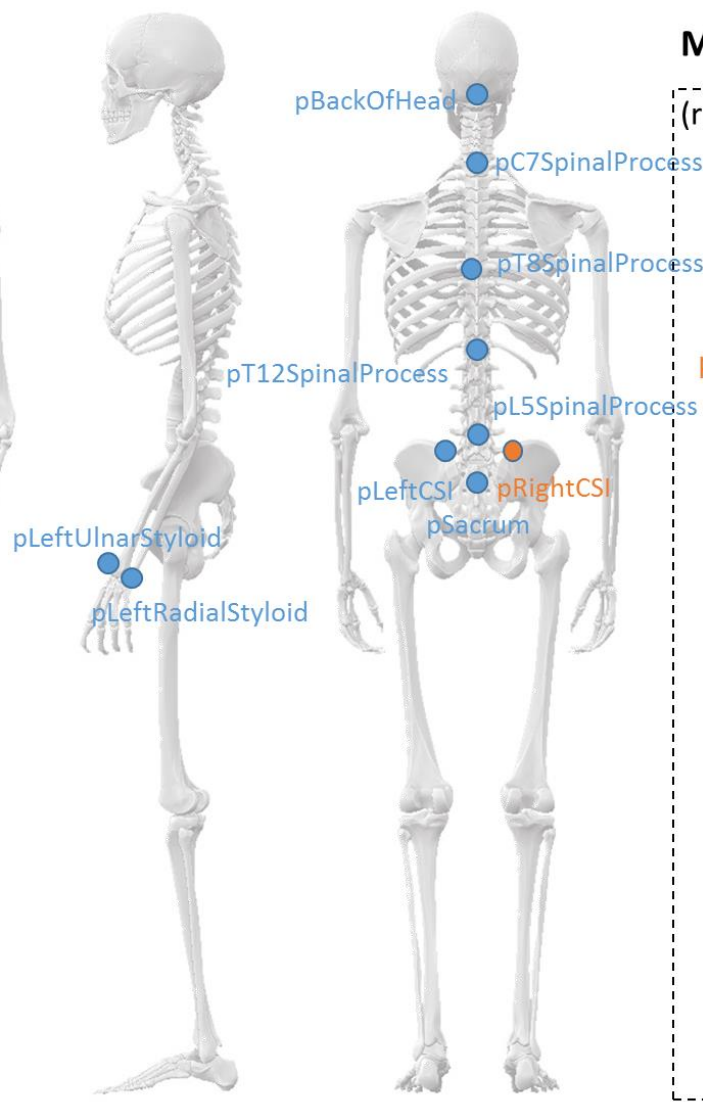
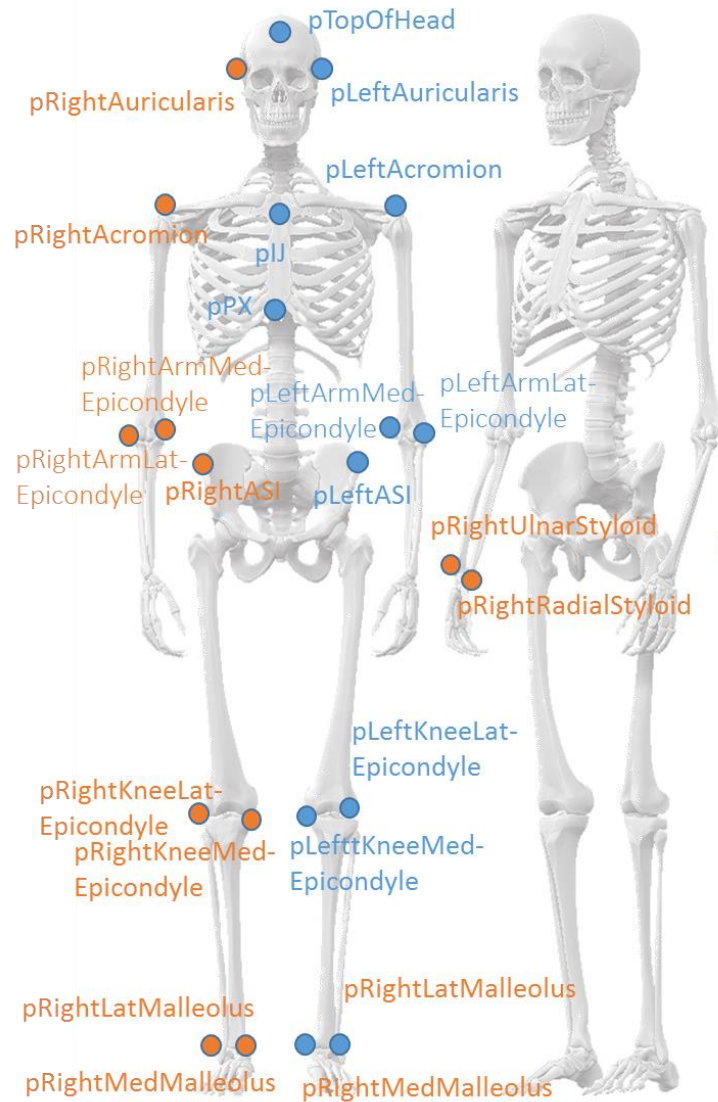


MARKER_SET2 (classical motion analysis)

(resp. LXXX for left side)

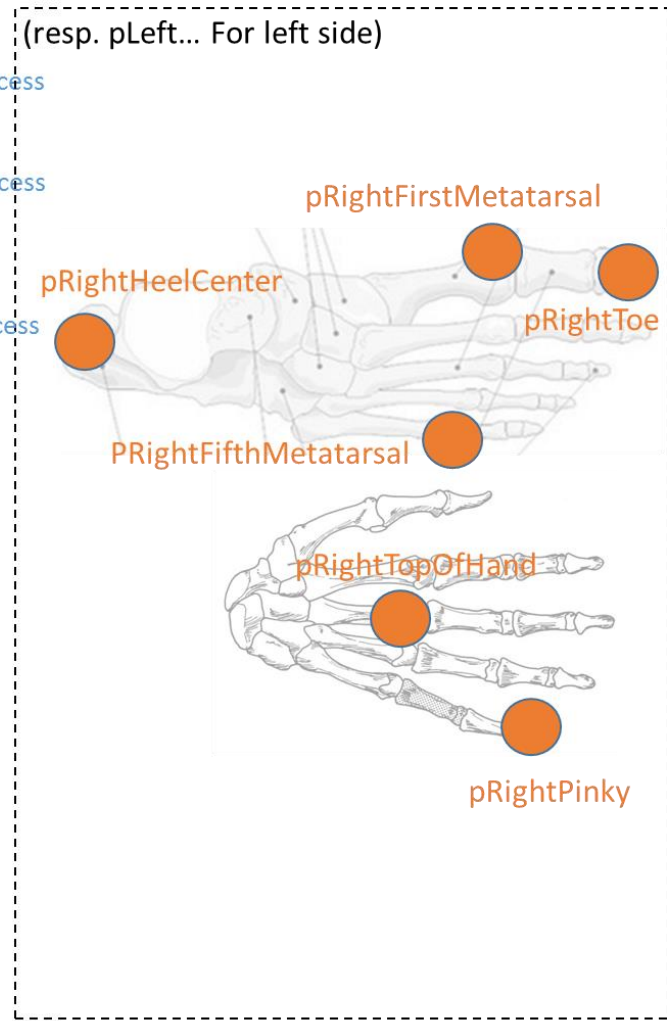


XSENS markerset



MARKER_SET5 (XSENS, partially used)

(resp. pLeft... For left side)



TODO

For both markersets and captures, run an inverse kinematics analysis with CusToM

Subject's height: 1.79m

Subject's weight: 69 kg

Postprocessing

Run both postprocessing files

What's wrong ?

Postprocessing

Run both postprocessing files

What's wrong ?

- Calibration
- Joint lengths
- Extreme postures
- ?