**Instruction for using the testing dataset**

The testing input folder contains five *.csv* files, including data from 2 subjects:

* *Subject01\_calib\_chair\_raw\_01.csv* – contains the data from the calibration procedure for subject01. It is used for calculating the calibration parameters for the subsequent estimation of the joint kinematics in the sagittal plane.
* *Subject01\_5sts\_chair\_raw\_01.csv* – contains the data from a single 5STS trial of subject01
* *Subject01\_30sts\_chair\_raw\_01.csv* – contains the data from a single 30sSTS trial of subject01
* *Subject02\_calib\_chair\_raw\_01.csv* – contains the data from the calibration procedure for subject02. It is used for calculating the calibration parameters for the subsequent estimation of the joint kinematics in the sagittal plane.
* *Subject02\_5sts\_chair\_raw\_01.csv* – contains the data from a single 5STS trial of subject02
* *Subject03\_calib\_chair\_raw\_01.csv* – contains the data from the calibration procedure for subject03. It is used for calculating the calibration parameters for the subsequent estimation of the joint kinematics in the sagittal plane.
* *Subject03\_5sts\_chair\_raw\_01.csv* – contains the data from a single 5STS trial of subject03
* *Subject03\_30sts\_chair\_raw\_01.csv* – contains the data from a single 30sSTS trial of subject03

These files have been generated at the end of a single trial with the BENCH apparatus, and they can be used for the calculation of the metrics in **Octave (or Matlab)**. All the necessary pre-processing steps and metrics calculation is performed within the *computePI.m* function. This function takes as input a .csv file containing the raw data from a single sts trial, a .csv file containing the raw data from the calibration procedure, and the path of an output folder for saving the .yaml files of the seven calculated PIs.