



Importance of Accurate Force Sensors into the Biomechanical Computations

You are researcher in biomechanics and more particularly sports technics and movements. So you probably encountered:

- problems of accuracy with your measuring chain,
- difficulties to choose the best sensors which will answer your needs,
- questions on your assembling optimal procedure.

You can't miss this workshop because Dr Mathieu Boucher will present you the most frequent traps of a measuring chain:

- How to find the compromise between the measuring chain imposed by the measured efforts and the natural frequency/mass of the device.
- How the rigidity of the measuring chain assembly could alter the technical characteristics of the sensor used.
- How the sensor calibration made by the manufacturer is being modified depending on the measuring chain assembling type.
- How to interpret the accuracy indicated on the sensors data sheet.
- How the sensor location in the study reference could influence the measurement quality.

This is no theoretical course. Any recommendation will be held through research case study examples:

- pedaling study,
- swimming start study,
- paddling movement study.

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