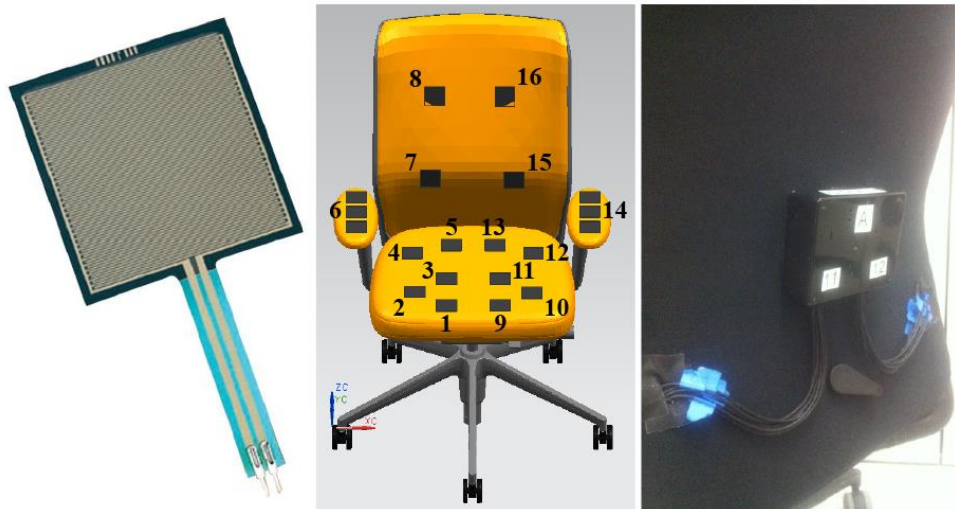


Supplementary Figures



5 Figure A1: **Left:** A pressure sensor (FSR® 406); **middle:** Sensor distribution on the seat pan, on the backrest and on the armrests of the office chair. Sensors were numbered from one to 16; **right:** Box with a Motion-Module (accelerometer, gyroscope and magnetometer) fixed to the backrest of the office chair.

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Figure A2: Sitting positions (from left to right): **1** upright, **2** reclined, **3** forward inclined, **4/5** laterally tilted (right/left) and **6/7** crossed legs (left over right/right over left).