Abstract:

Often, pressure distributions on seats are referred to as an objective method to quantify seat comfort. However, the reliability of seat pressure measurement is yet unknown. Therefore, it is important to know how reliable these pressure measurements are, before using them effectively as a means to predict seat comfort based on pressure measurements. Experiments were conducted to determine the inter-individual and intra-individual variation in pressure distribution. The obtained variation ranges of the mean pressure in defined body areas are presented.