Figure 17: Layout for measuring coordination dynamics (arrhythmity of exercising) between arm and leg movements, displayed on the laptop; for the intermediate coordination’s between pace and trot gait, the fluctuation of the network states is larger. The recording of sEMG activity (displayed on the oscilloscope) from the tibialis anterior and other muscles is also shown. The inset shows single motor unit action potentials on the lowest trace. The recordings are taken from a patient (Kadri) with a motoric complete cervical spinal cord injury C5/6 (95% injury).