

Learning Manual Skills with Smart Wearables

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Intensive development of e-learning methods still struggles with domains where feedback on manual and physical skills is necessary, for example, crafts or physiotherapy movements. Most of such training is currently done exclusively

through direct teacher-student interaction. The traditional approach minimizes the possibilities for remote learning, requires large time investments and contributes to high costs of education. While human feedback remains very important, modern wearable sensors allow to transfer part of the workload to e-learning. In this chapter, we present an overview of available solutions with particular focus on wearable sensors. We argue that wearable devices have the ability to enable a new step in elearning, not only allowing the acquisition of theoretical knowledge but also training of manual and physical skills.

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