Affective technology and opportunities in self-directed ubiquitous physical rehabilitation

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With the emergence of full-body sensing technology and advances in artificial intelligence come new opportunities to support people's affective experiences and needs during self-directed ubiquitous physical rehabilitation. In my talk, I will present our work on technology for chronic pain management and discuss how such technology could lead to more effective physical rehabilitation by integrating it in everyday activities and support people at both physical and affective levels. In particular, I will present how technology can be embedded with the ability to perceive people affective states through their body movement. I will also discuss how this sensing technology enables us to go beyond simply measuring one’s behaviour by exploiting embodied bottom-up mechanisms that enhance the perception of one’s body and its capabilities.

Key-references