

Multimodal XR-AI Platform for Tele-Rehab and The Reciprocal Care



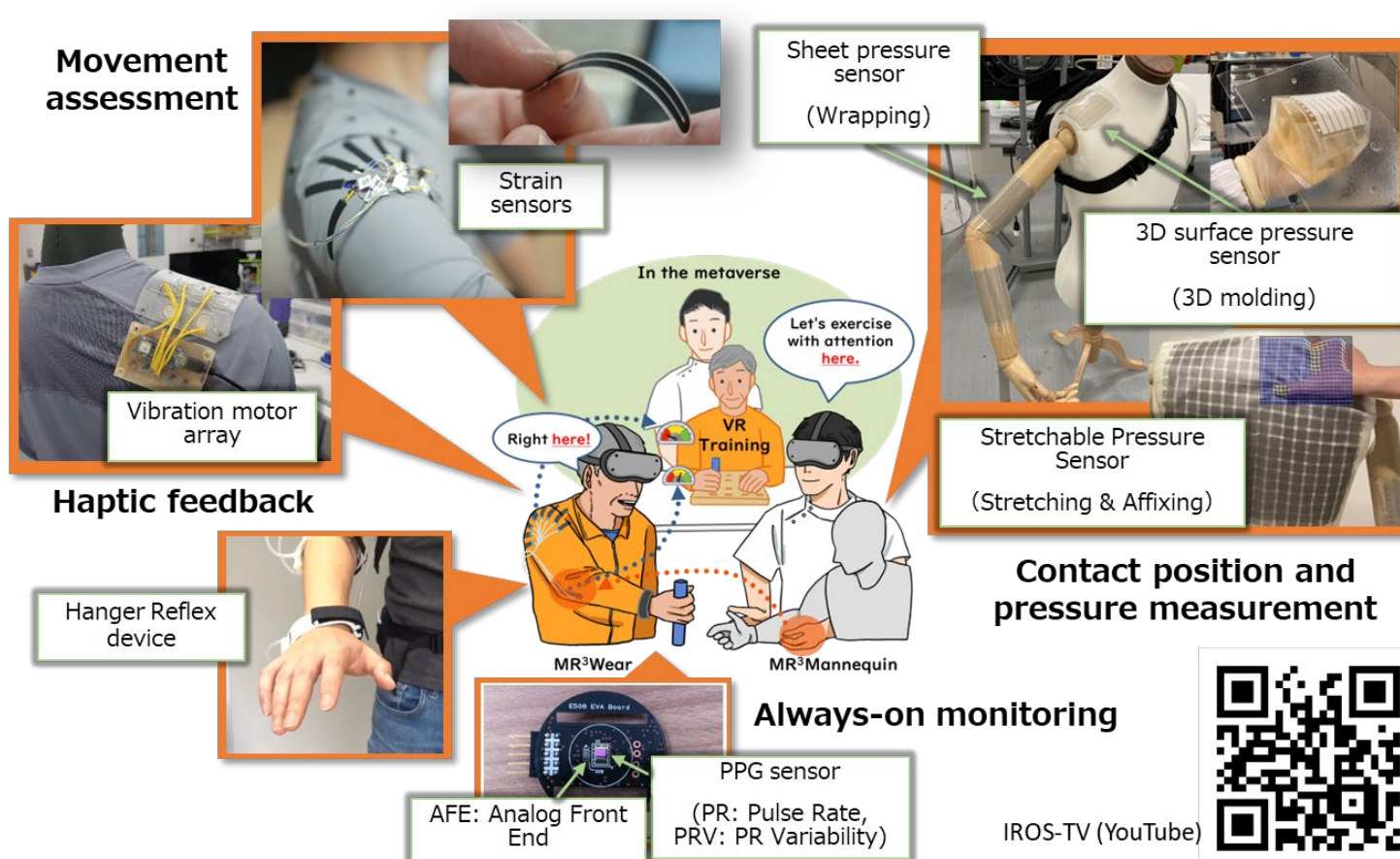
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XR-AI (éksrèt): XR powered by AI



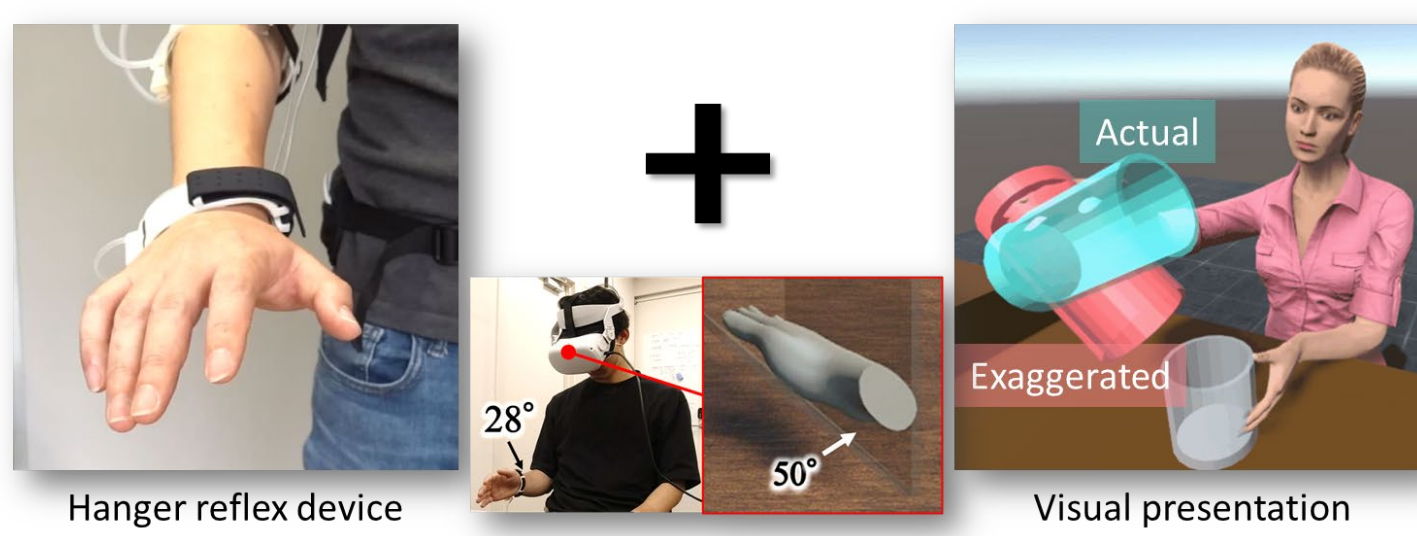
<https://unit.aist.go.jp/harc/nedo-xrai-healthcare/>

Purpose of this project: Solve issues regarding health care services such as rehabilitation while alleviating spatio-temporal, economic, and cognitive constraints by establishing remote technology foundation.



MR³ Wear/Mannequin: support detailed assessment of customers' physical functions and haptic interaction.

MR³ (MR cube): Multi-Modal Mixed Reality for Remote Rehab



Hand redirection (Visuo-haptic illusion)



Performing the same task with other customers, cooperating and competing with each other, encourages customers to continue to be motivated.

Reciprocal care

VR tele-rehab interaction techniques: support intrinsic motivation with hand redirection, virtual co-embodiment, and reciprocal care.