

A Therapeutic Robotic System for the Upper Body Based on the Proficio Robotic Arm

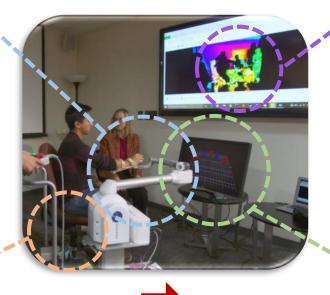
Elham Saraee, Ajjen Joshi, Margrit Betke

Goal: Leverage robotics to improve physical therapy and expedite recovery.

System interprets the 3D kinematic properties of a person's movement with the *Proficio* robotic arm.



Algorithms evaluate the performance of the person.



Auxillary Kinect system enables the therapist to remotely monitor the patient in real-time.



Recommends adjustment to the difficulty level of the exercise.