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Rock-Paper-Scissors: Robotic Hand Control via Data Glove

This demonstrator aims to show the possibilities of Tactile Internet through the game of "Rock, Paper, Scissors".
It consists of a robotic hand, mounted to a Franka Emika cobot as end effector which is controlled by a data glove and a Vive tracker.

The glove with implemented textile yarn sensors and the Vive tracker enables the participant to control the cobot playing "Rock, Paper, Scissors" with yet one more participant. Hand movements of the participants are therefore mirrored to the robotic hand.

This demonstrator was developed by an interdisciplinary team of the CeTI Research Room TP2 (sensors/actuators): AHA chair, ComNets chair, ITM and td chair.

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