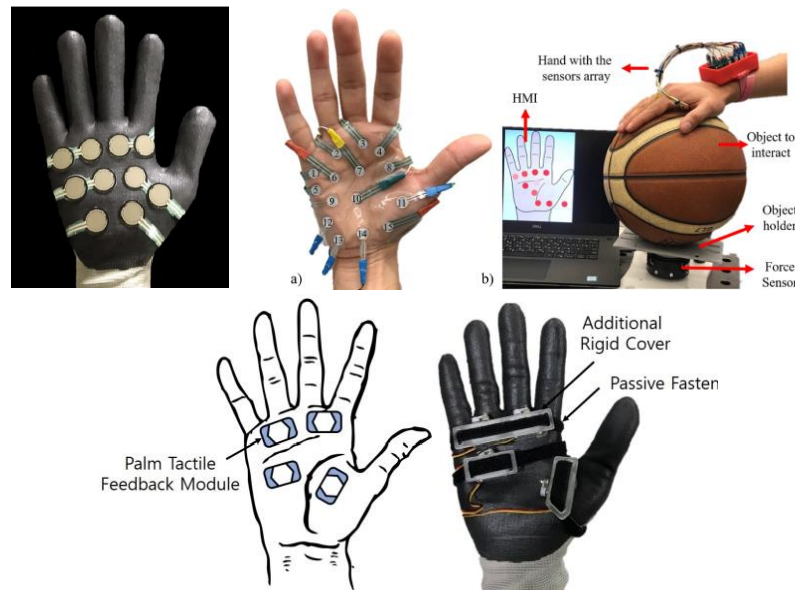


## Diplomarbeit/Studienarbeit

### „Haptic feedback system for palm stimulation“



#### Summary:

Haptic gloves commonly focus on providing feedback on the fingers, but commonly, due to various limitations, leave the palm of the hand unstimulated. The focus of this student project is to first research the state of the art with regard to palm stimulation, in order to proceed in the second phase to design, develop and apply and palm actuation system, and test its operation on subjects. For this goal, the student will need to consider existing solutions and technologies (force, pressure, vibrotactile, etc.) alongside the palm perception capabilities, motion range and available space. Thus, the student will perform both mechanic and electronic design tasks, alongside a perceptual set of experiments where such system is tested.

Supervision by the Chair of Acoustics and Haptics

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