

Haptic technology for accessibility Myrthe Plaisier (TU/e)

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Centre for Research & Technology Hellas, Greece
Offenburg University of Applied Sciences, Germany
University of Leeds, United Kingdom
European Union's
European Union's
European Union's
European University of Technology, Netherlands
Les Doigts Qui Révent, Talant, France
Harpo Sp. z o.o., Poznań, Poland

Perceiving the world





Perceiving the world



A tangible interface with the world































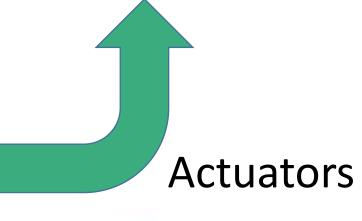














Project members

World

























SUITCEYES Project

Dissemination & exploitation

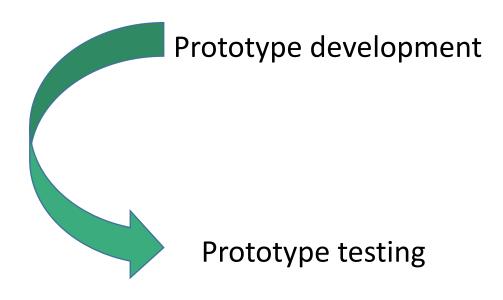




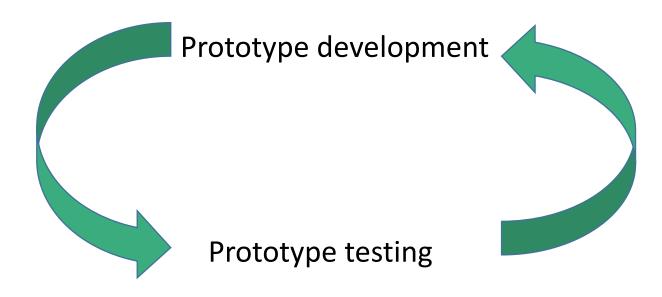


Prototype development

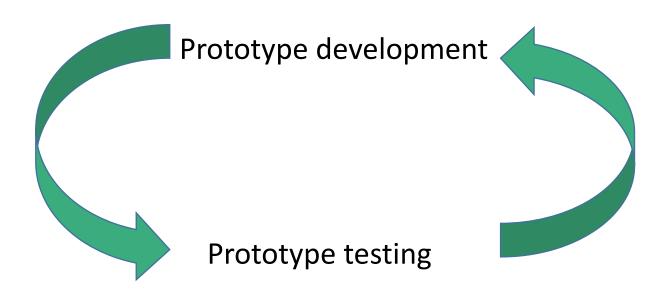
















Psychophysics and prototype testing

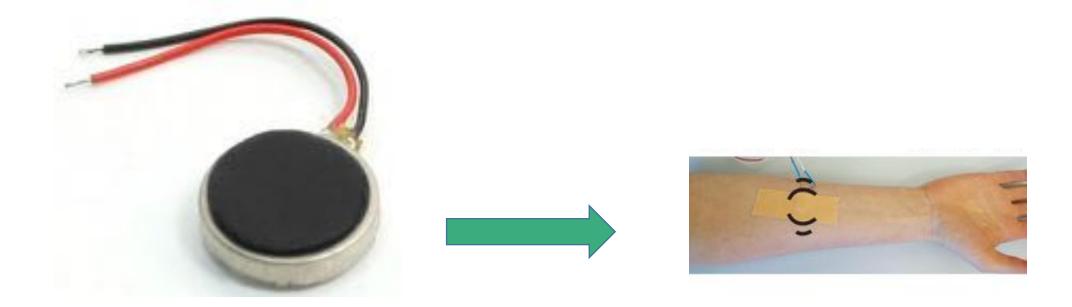


Simplest prototype





Simplest prototype



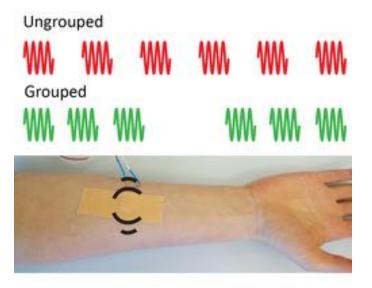


Simplest prototype



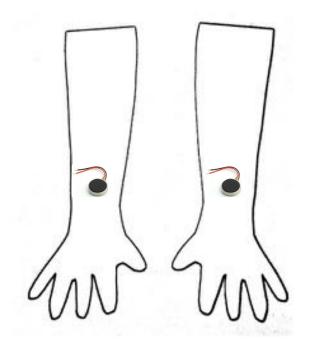


Numerical information



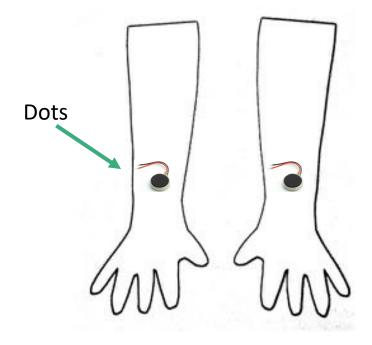


2 Vibration motors prototype





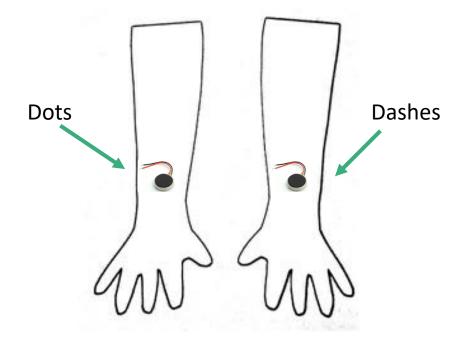
2 Vibration motors prototype





2 Vibration motors prototype

Tactile Morse code





9 Vibration motors + textile prototype

Wearable



Chairable





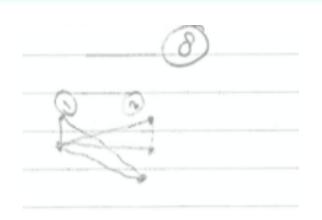
Draw shapes





Draw shapes

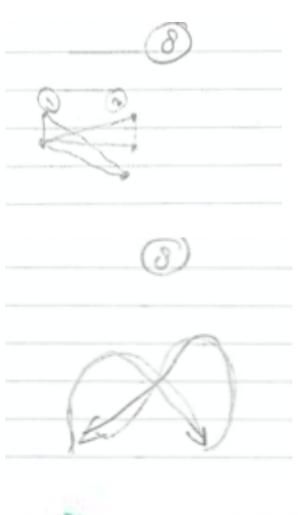






Draw shapes







Social Haptic Communication



Social Haptic Communication group the Netherlands

Thanks:

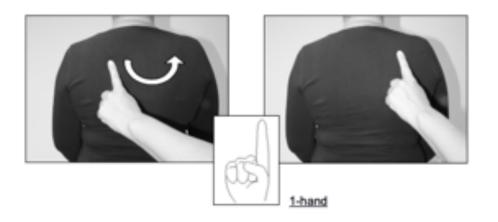


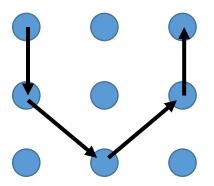




Social Haptic Communication

Happy

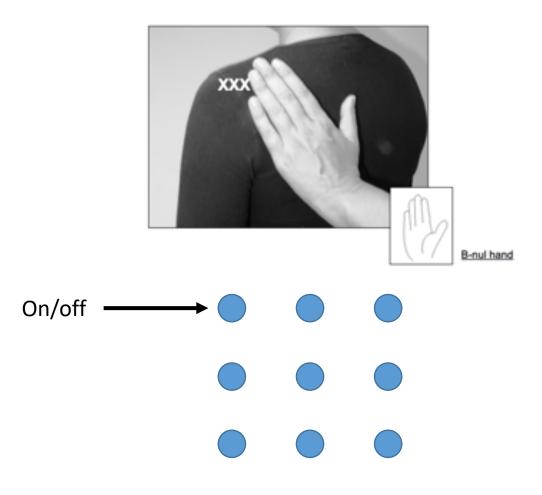






Social Haptic Communication







Integrated prototype



Active object search

"Find my laptop"



Active object search

"Find my laptop"

Navigation

"Direct me to a location"



Active object search "Find my laptop"

Navigation "Direct me to a location"

One-to-many communication "Send a message to multiple users"



Active object search "Find my laptop"

Navigation "Direct me to a location"

One-to-many communication "Send a message to multiple users"

Personalisable



SUITCEYES platform



- Software
- Hardware
- Research
- Community





Thank you!

www.suitceyes.eu





