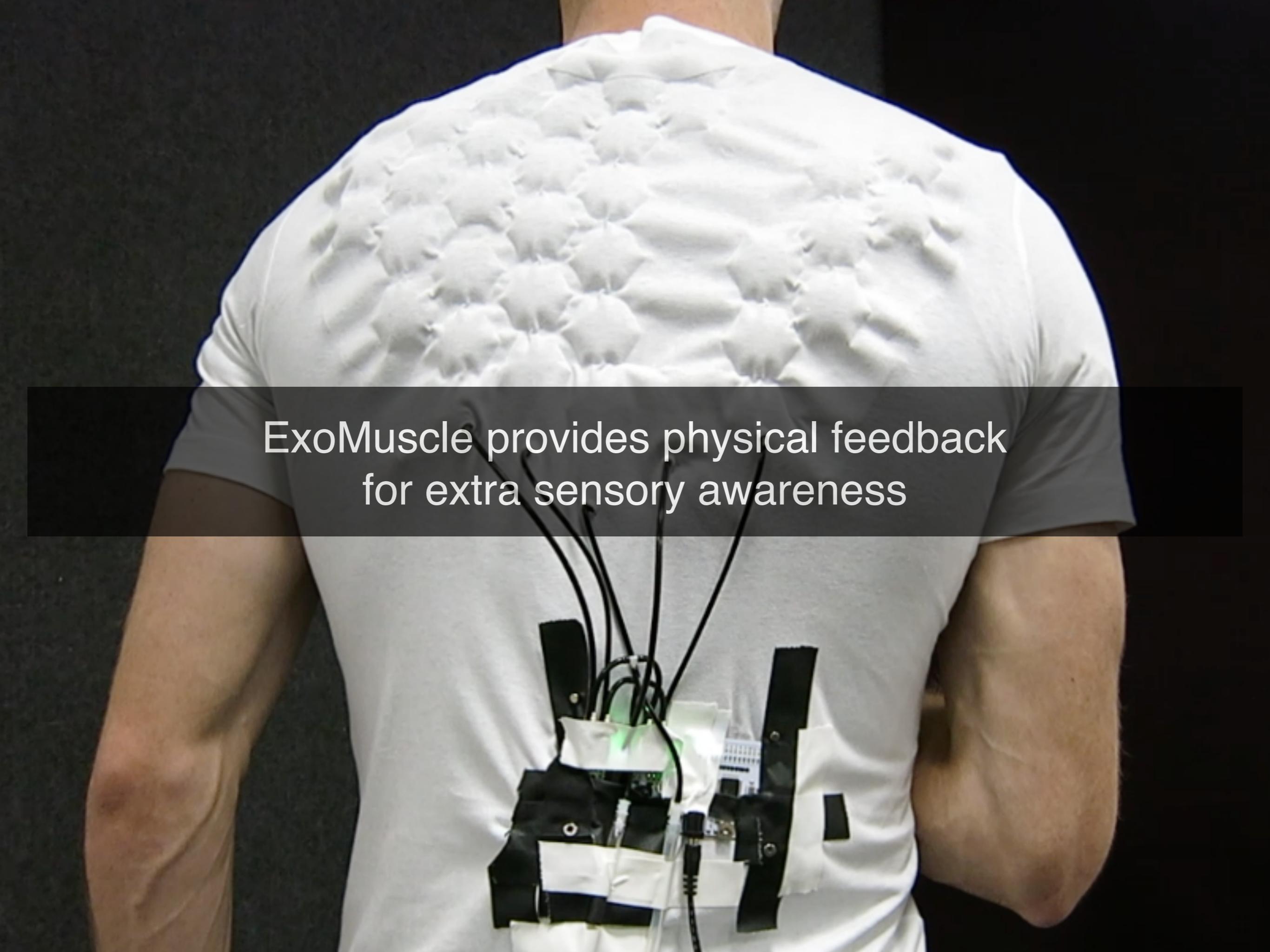


# EXO MUSCLE

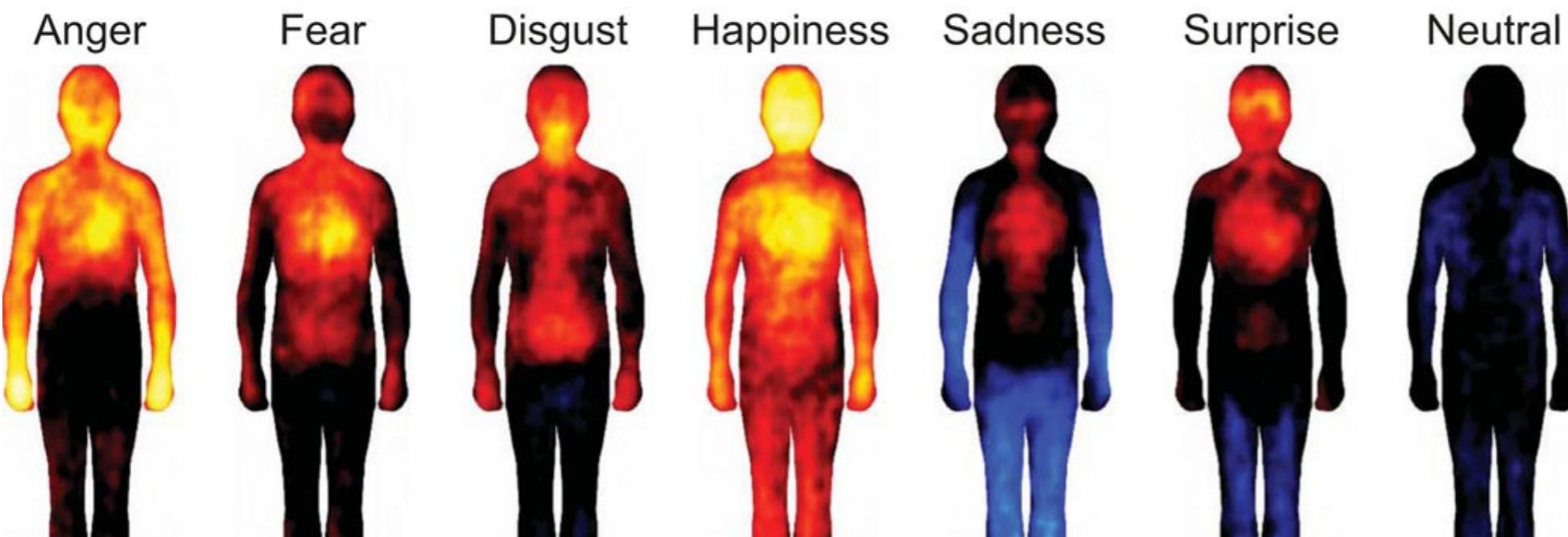
Outerwear for physical feedback

Anthony Baker, Andres Calvo, Meryl Fang, Julia Litman-Cleper, Penny Webb

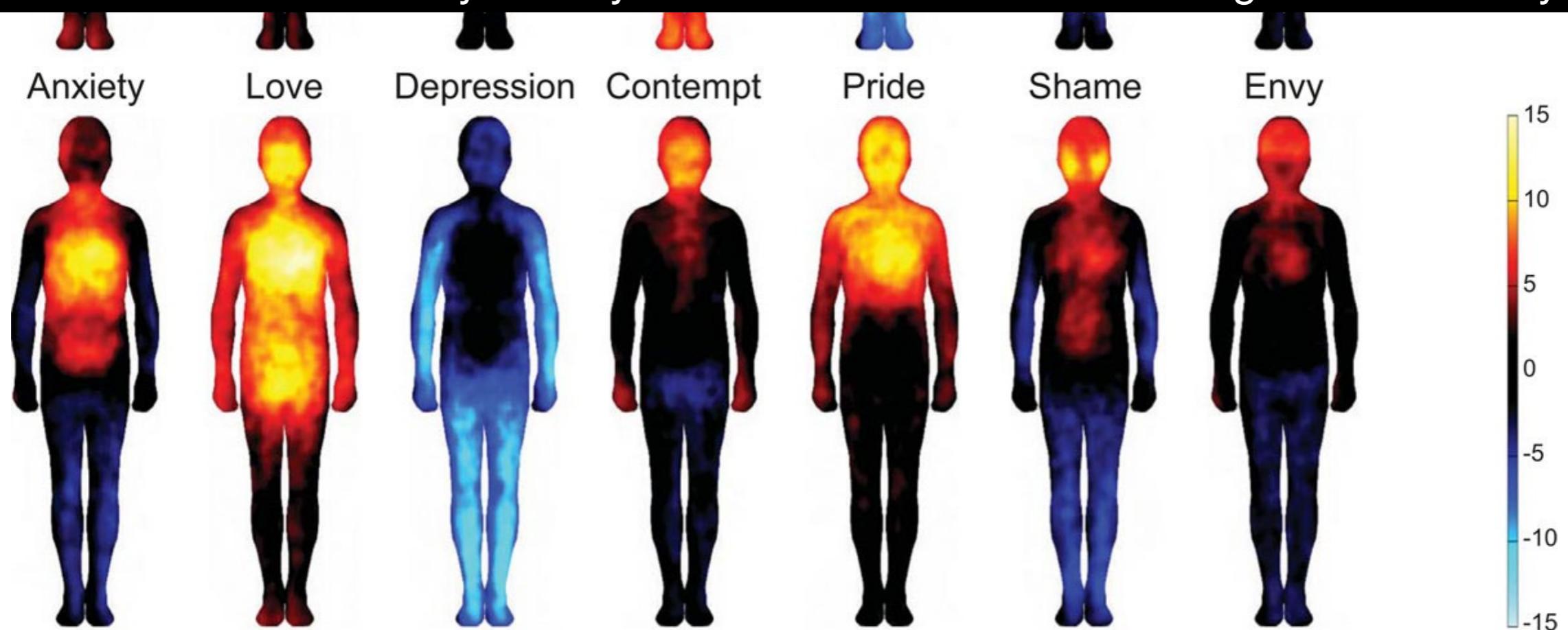
Muscles convey information about the immediate surrounding physical world through kinesthetic feedback. ExoMuscle can convey information about the non-physical (digital) world beyond the reach of your immediate space.



ExoMuscle provides physical feedback  
for extra sensory awareness



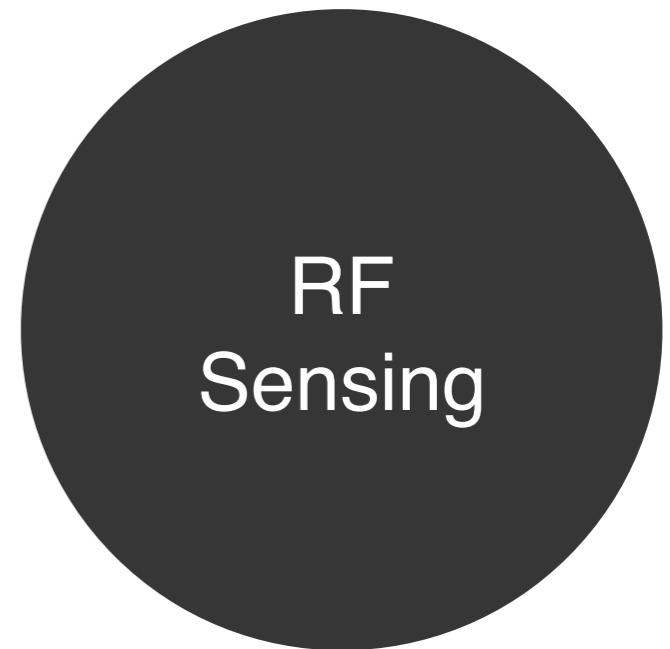
Research shows that the body conveys sentimental information through different body parts.





Context-specific information can be fed directly onto the body

## Three proposed applications:



UTILITY



EXPERIENCE

## Senses driving mistakes

ExoMuscle could use physical senses that are not commonly engaged in the driving task to alert drivers of their unsafe driving behaviours.

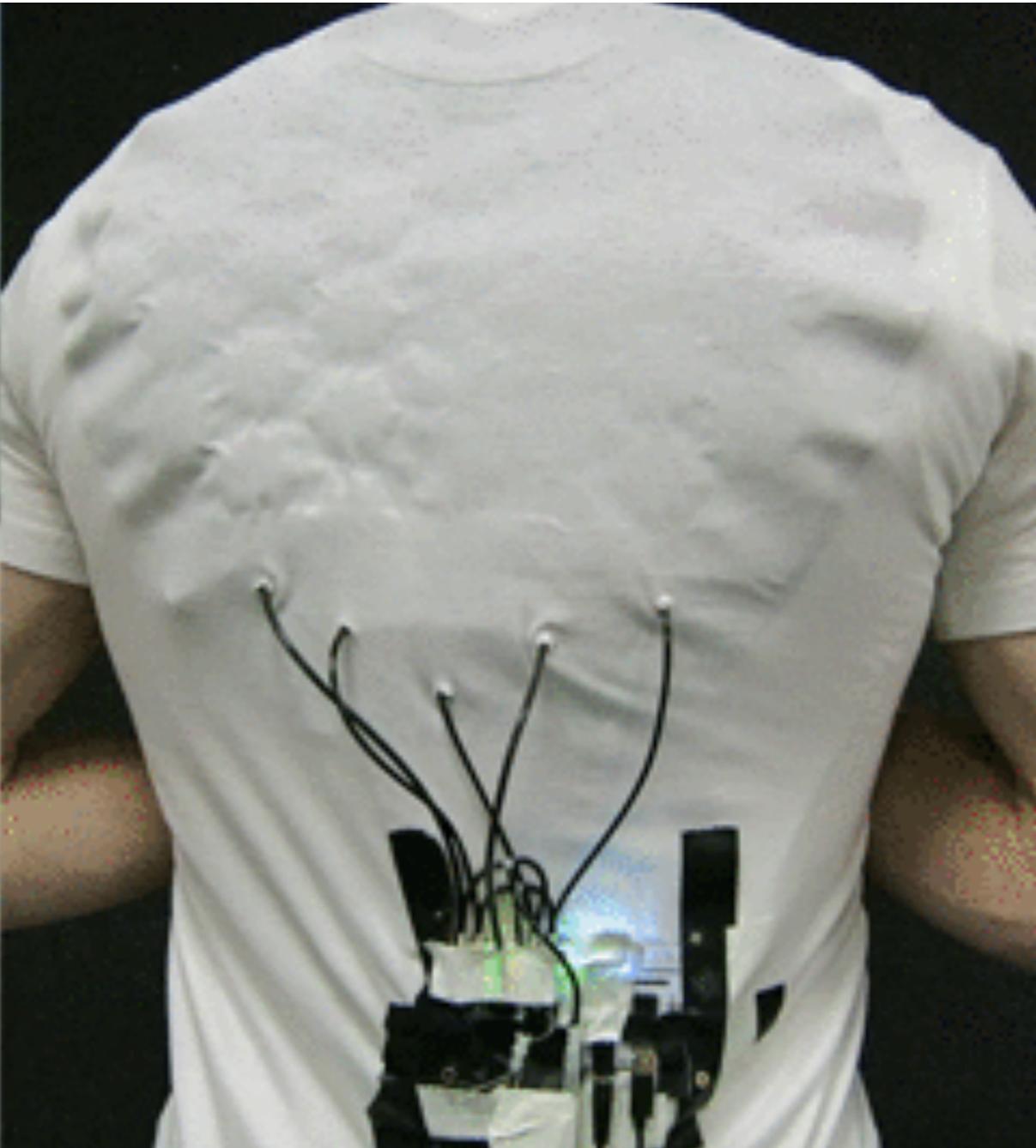
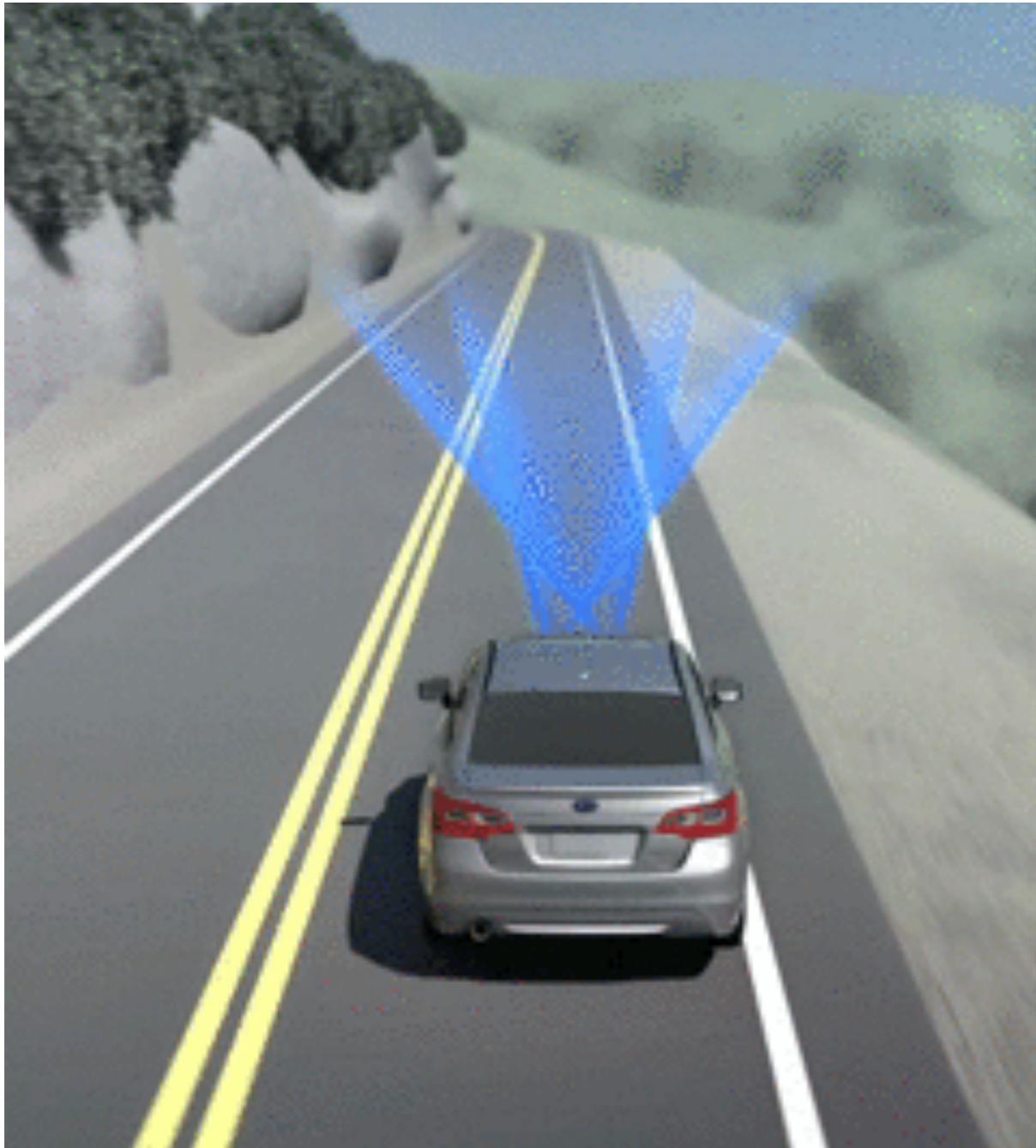
for example : falling asleep, lane drift, speeding



UTILITY



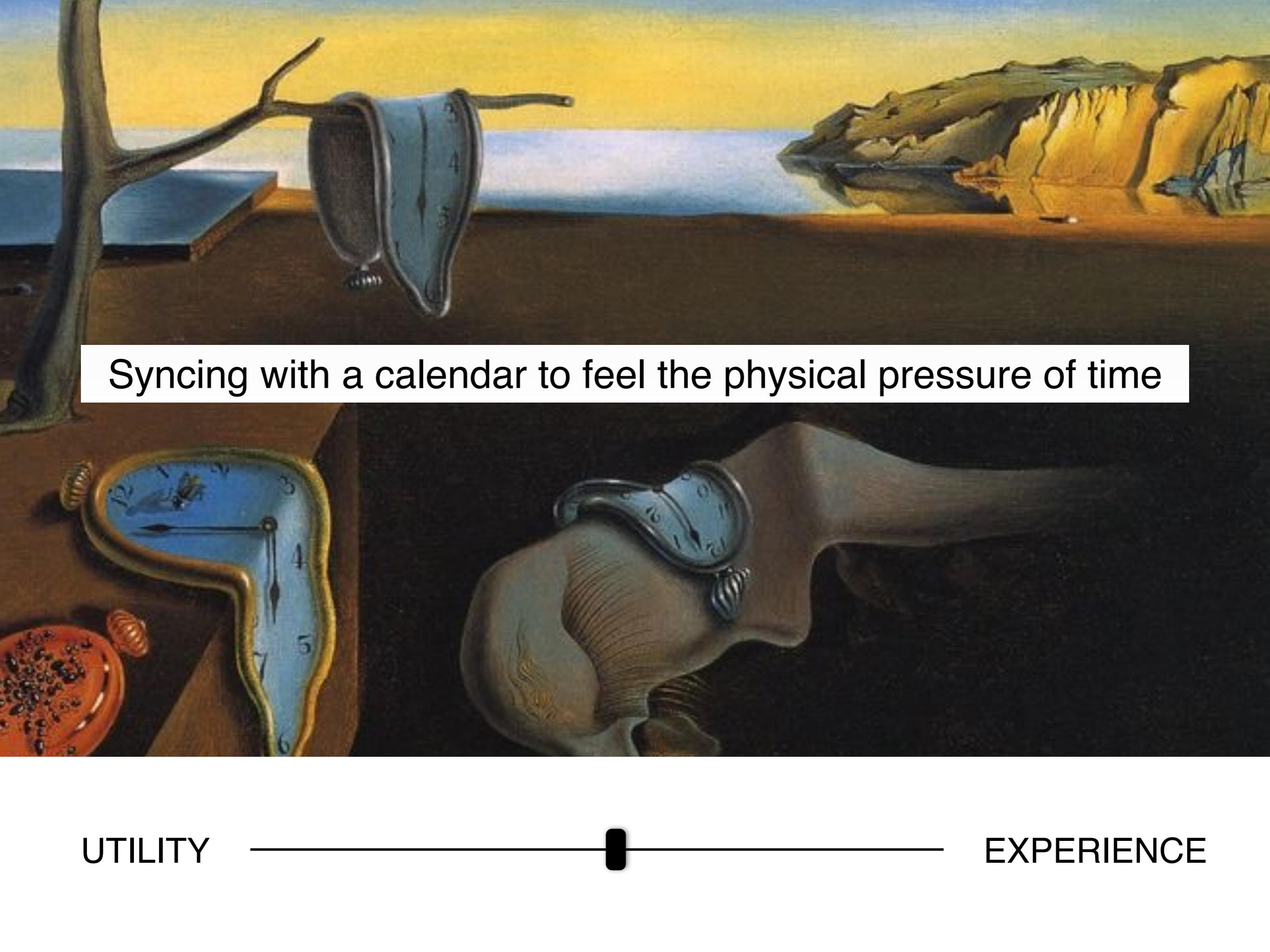
EXPERIENCE



UTILITY



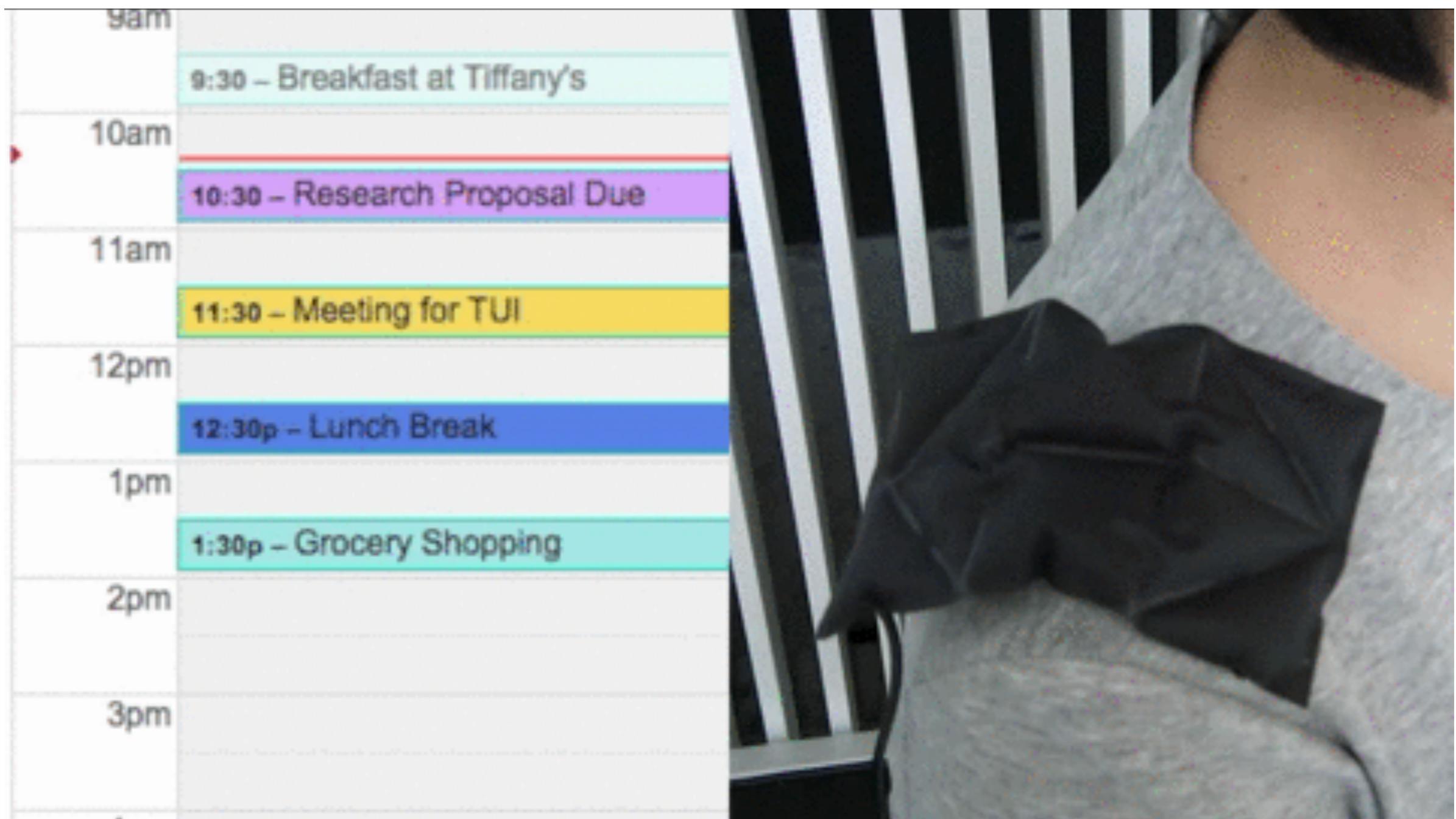
EXPERIENCE

A reproduction of Salvador Dalí's famous painting 'The Persistence of Memory'. It depicts a surreal landscape with melting clocks and a distorted horizon under a yellow sky.

Syncing with a calendar to feel the physical pressure of time

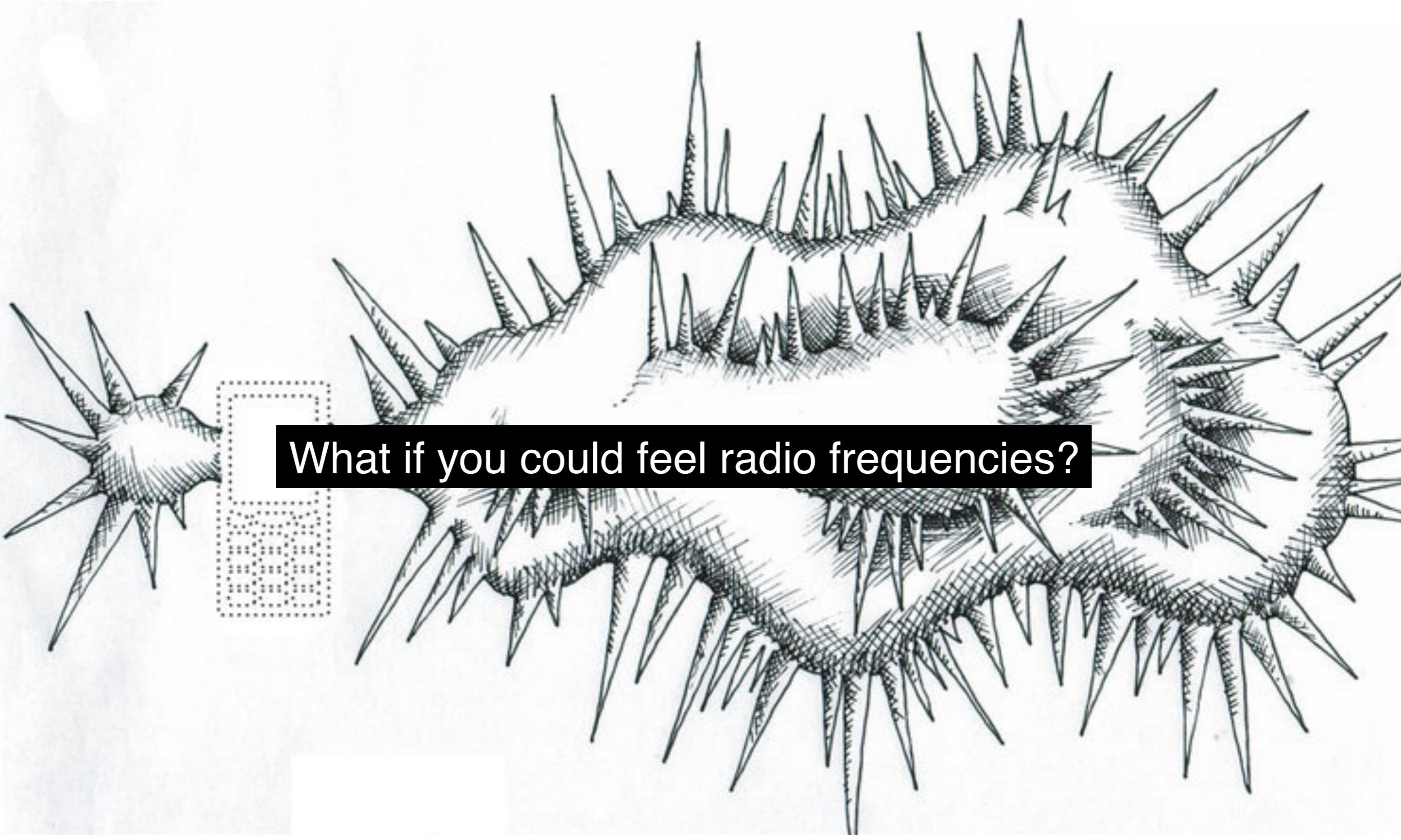
UTILITY

EXPERIENCE



UTILITY

EXPERIENCE



What if you could feel radio frequencies?

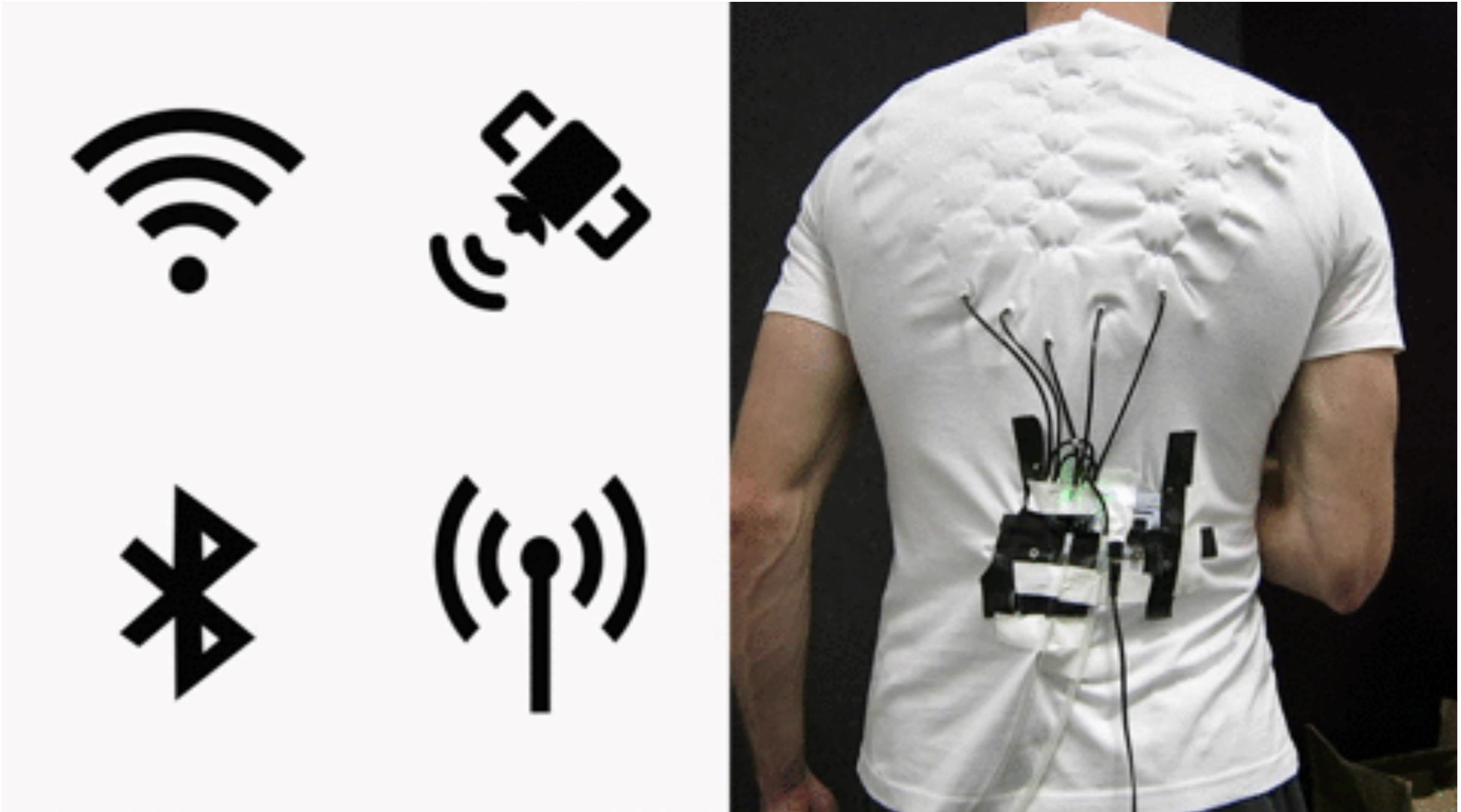
UTILITY

EXPERIENCE



UTILITY

EXPERIENCE

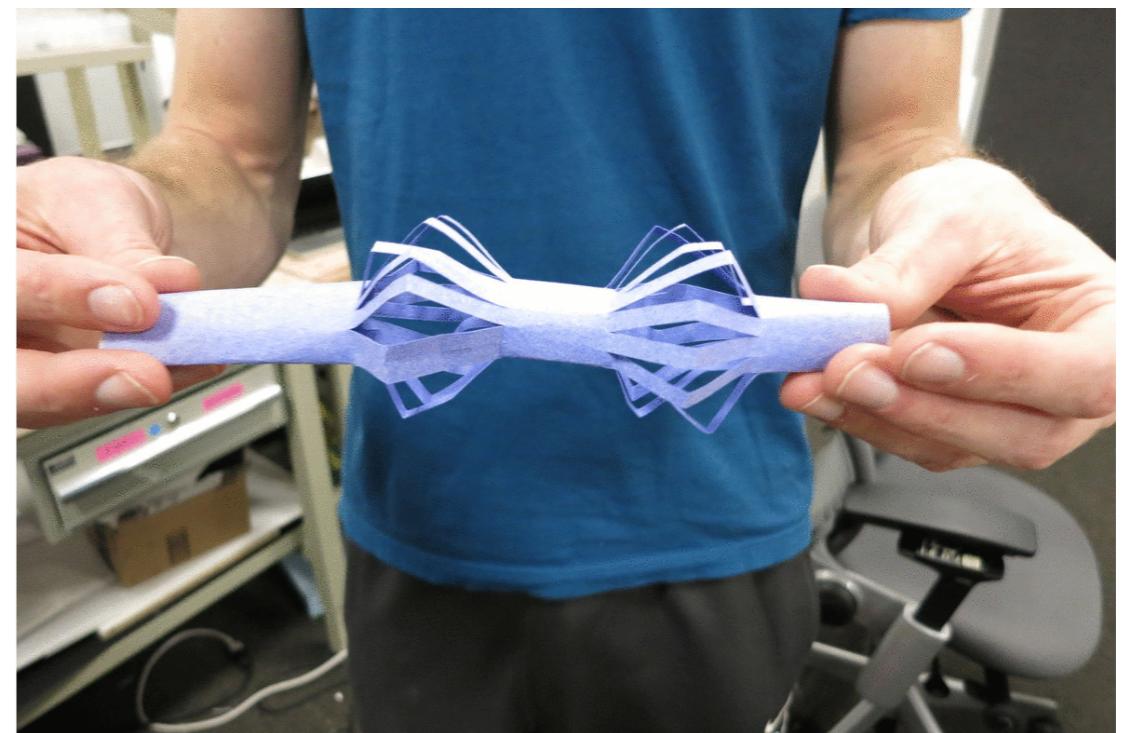


UTILITY

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EXPERIENCE



Prototypes, contraction testing



# Other possible applications

## WELLBEING

Object sensing for visually impaired

Therapeutic/posture correction

Outward signalling for users with specific conditions e.g. asthma

## ACTIVITY

Speeding / drifting while driving

VR / Gaming feedback

Exercise / motion I/O

## EXPERIENCE

Experience signals beyond our human capabilities

“Shivers down my spine” sync with others' experiences e.g. news, baby monitor, loved ones'

**Thanks!**