



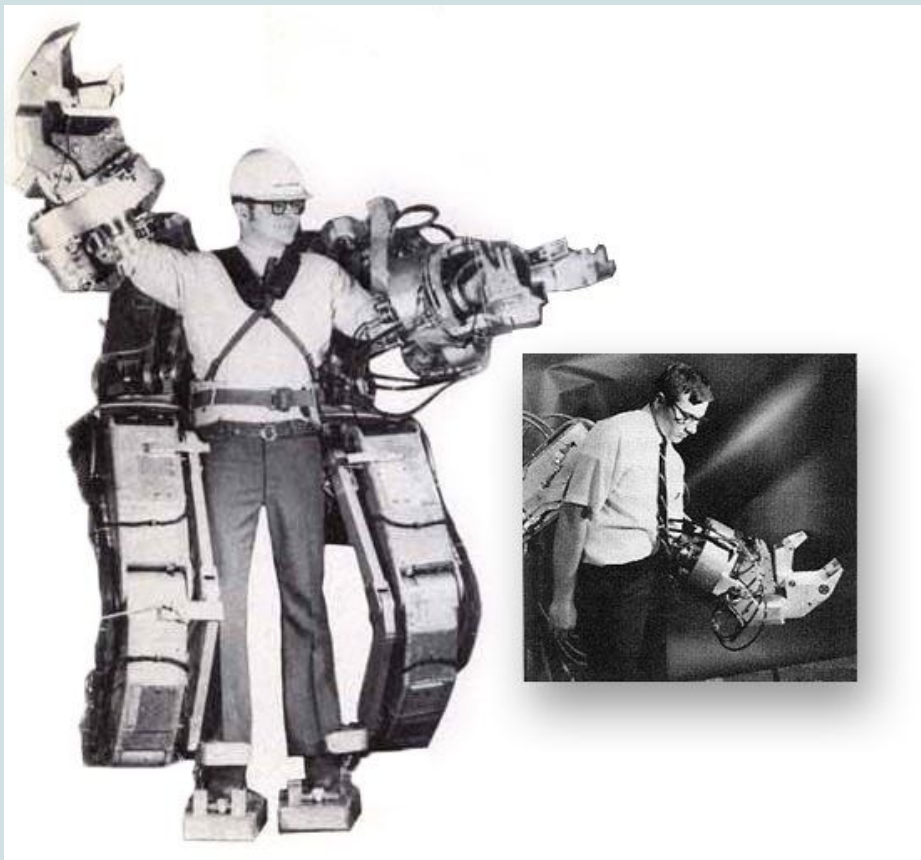
# Haptics x Healthcare x AI

## Reaching out to Feel The Unreal





Who are we?

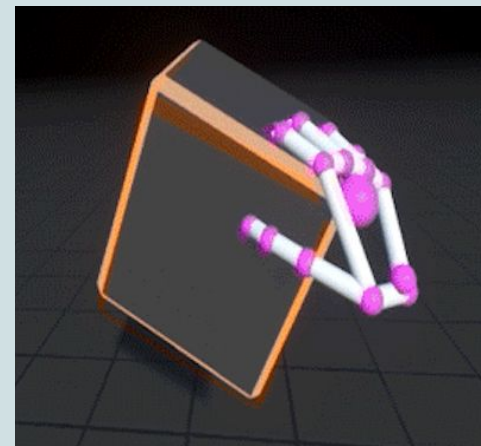
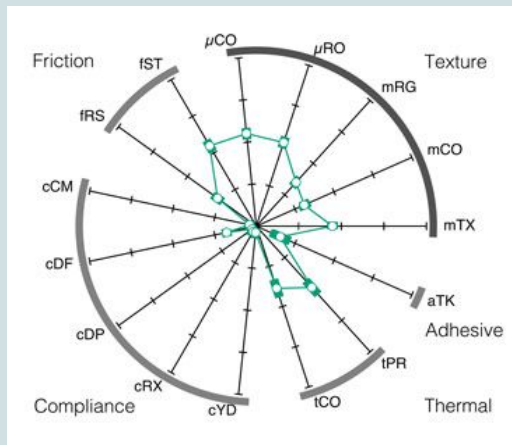
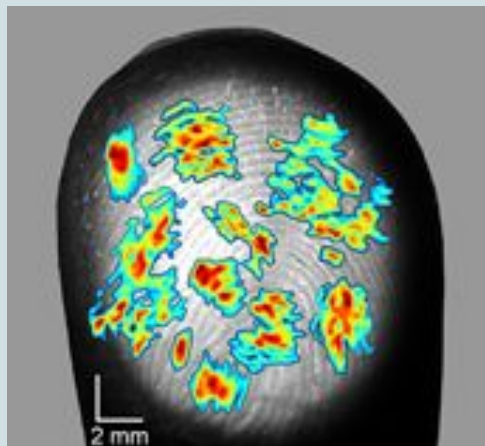


# Extending your hand's Sense of Touch into VR, AR & Telerobotics

# WHY MULTI-FORCE ERGONOMIC HAPTICS MATTER

## Our Sense of Touch

is the only human sense at the time of our births 100% fully developed



Yet, with **VR/AR** along with most **(Tele)-Robotic HCI** our human hands are interfacing today in ways that **omit the majority of the sense of touch**

Asked our friendly neighborhood AI (ChatGPT) back in early summer to help us define haptics and it outlined application fields including HEALTHCARE

CD CRAIG

What is your definition of haptics?

...

GPT

Haptics refers to the technology and science of creating and simulating the sense of touch and tactile feedback. It involves the use of mechanical or electrical systems to generate vibrations, forces, or other sensations that can be felt by a user. Haptic technology enables interaction with virtual or remote environments by providing users with tactile feedback, enhancing the sense of immersion and realism. It finds applications in various fields, including consumer electronics, gaming, virtual reality, healthcare, automotive, and more.



# Healthcare Applications of Multi-Force Ergonomic Haptics

## VR/AR

- Surgical and Operation Preparations
- Training Hands-on without the physical objects like a mannequin or cadaver
- Patient and Student Education
- Re-skilling and retention on new practices without on-Patient practice



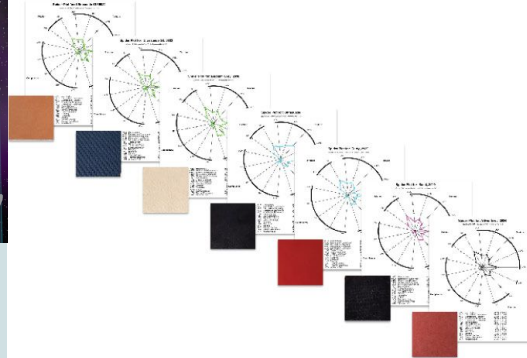
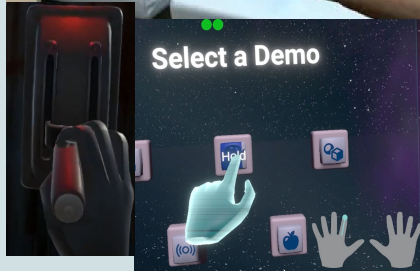
## Telerobotics

- Telemedicine with hands on touch
- Remote Surgery with your full hands functionality

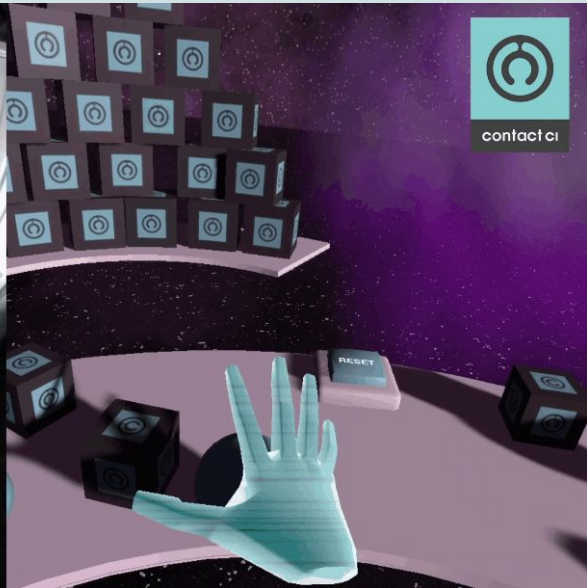


AI is improving Hand Tracking today

AI will next assist in creating Haptic Hands-on Interactions of greater nuance

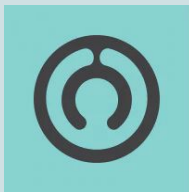






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# What can you imagine with **Haptics x Healthcare x AI**



# contact ci

