LABORATORY FOR
Computational
Sensing + Robotics
+
JOHNS HOPKINS
WHITING SCHOOL
of ENGINEERING

Introduction to Augmented Reality. Fall 2023 Project Demonstrations– EN.601.454/654
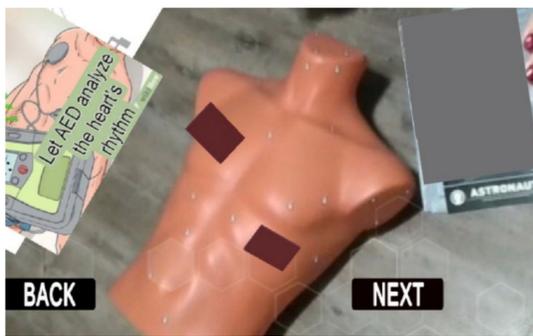
Monday, December 18[h]. Malone Hall- Room 228. 18:00 to 21:00
Instructor: Alejandro Martin Gomez
Teaching Team: Yihao Liu (TA), Mingxu Liu (CA), YuChun Ku (CA), Han Zhang (CA)

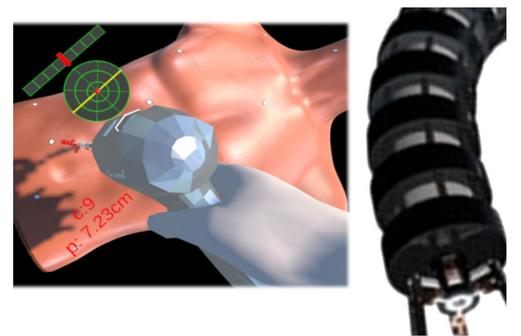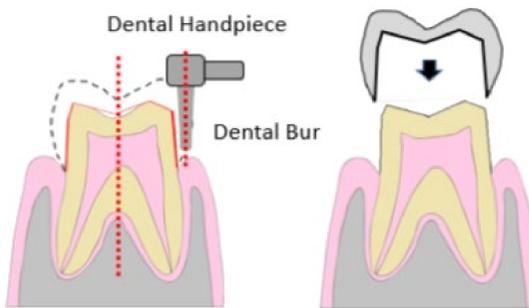## Robotics and Medical Applications

LifeSavAR

AR-Guided Transcranial Magnetic Stimulation

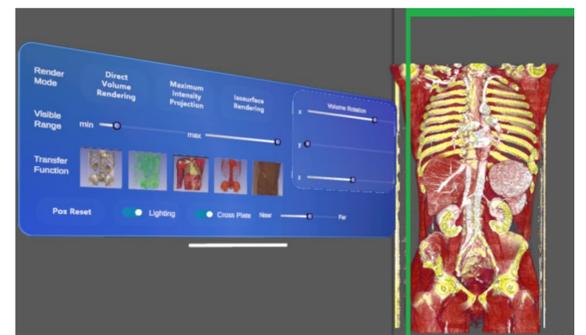### User Interfaces for Surgical Continuum Manipulators

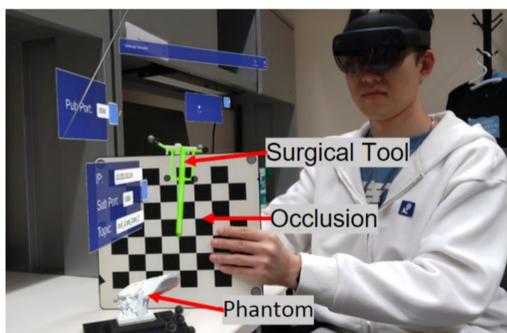### Tooth Drilling and Dental Training
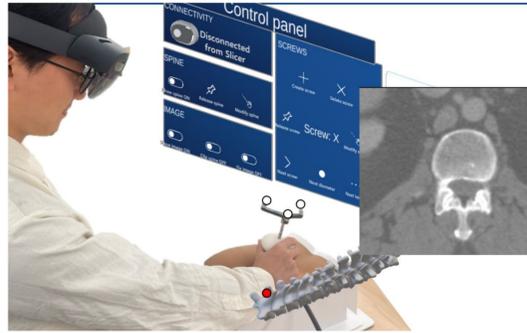

Sinus Digital Twin

Visualization of Volumetric Medical Imaging

Occlusion-Free Surgical Tool Tracking using ARHMDs
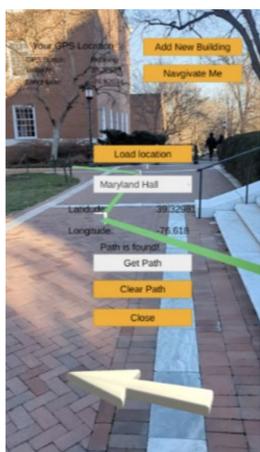

NeuroNavigation Navigated Focused Ultrasound

Gaming

Multi-User AR Games

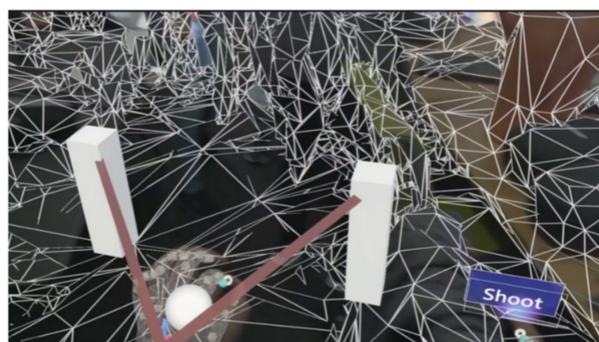## Human –Computer Interaction

Campus Tour Navigation System

Collaborative Design for AR Experiences

AR Escape Rooms