

HoloScope: Nanometer 3D-printing for wavefront corrected endoscopes

Motivation Modern medicine relies heavily on advanced imaging technologies for diagnostics and surgical procedures. Our research focuses on developing ultra-thin endoscopes that combine minimal size with exceptional resolution, enabling access to delicate structures like the human brain. By leveraging cutting-edge optical technologies and collaborating with leading medical institutions, we aim to revolutionize minimally invasive procedures. Join our team to push the boundaries of engineering and make a tangible impact on healthcare!

- Tasks**
- Characterization of different correction approaches (Lab work, Hardware side)
 - Simulation of different phasemasks (Matlab, Software side)

