Current instruments invert surgeon's movements and amplify inaccuracies

However, if we could virtually shrink the doctor and place him or her at this end of the instrument we would improve accuracy and performance

Removing a gall stone in HITL's Immersive Surgery Simulator.

Conceptual Immersive Surgery Interface

Surgeon’s tracked gaze and hand positions control surgical endoscope and instruments.

Possible implimentation with haptic force feedback system.