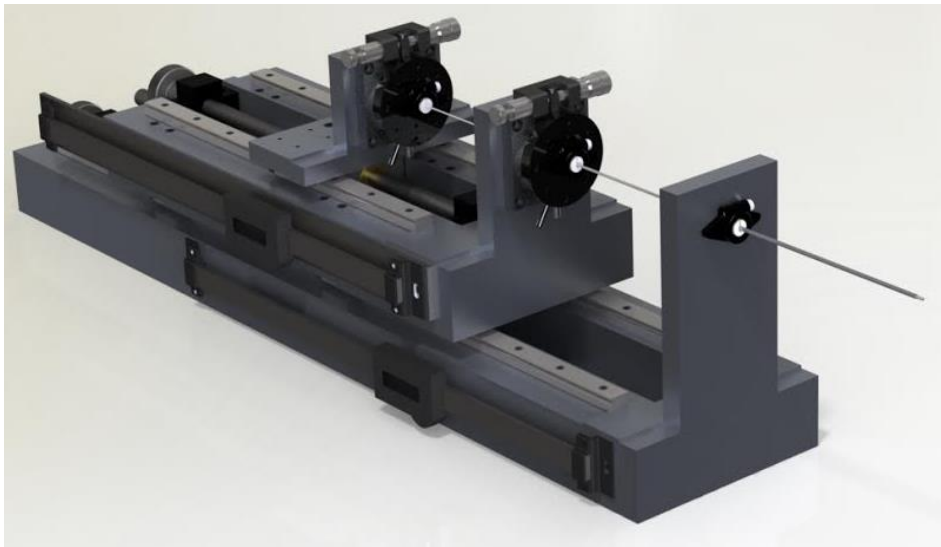


# Laboratory of Motion Generation and Analysis

## Continuum Concentric Tube Robot for Minimally Invasive Surgical Applications



- Continuum concentric tube robots (CCTR) are compliant, infinite-degree-of-freedom robots
- CCTR can be used as active cannulae or conventional minimally-invasive surgical wrists with extended range of reach inside patient's body
- This project targets to improve the modelling accuracy and solution speed of CCTR models, and explore the applications of CCTR in minimally-invasive surgeries

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## Continuum Concentric Tube Robot for Minimally Invasive Surgical Applications

### Students

- Mr Shao Liu, PhD candidate

### Collaborations

- Dr Neil Vallance, Ear Nose and Throat (ENT) Surgeon, Monash Health

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## Continuum Concentric Tube Robot for Minimally Invasive Surgical Applications

### Journals Articles

### Conference Papers

- S Liu, L Harewood, B Chen, and C Chen, A Review on Direct Kinematics Models and Iteration Schemes of Continuum Concentric Tube Robots, Proc. Australian Biomedical Engineering Conference 2015, Melbourne, Australia, Nov. 2015.