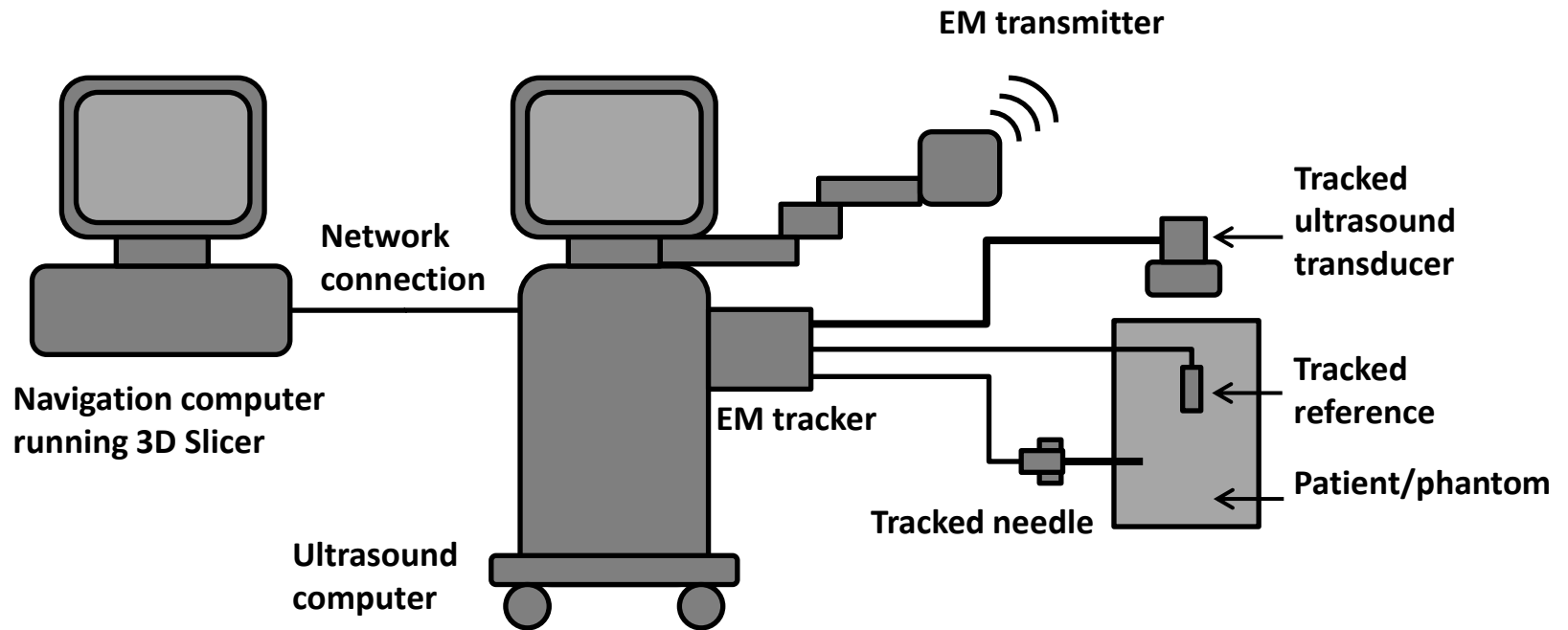


Tracked ultrasound in Slicer for needle navigation

Tamas Ungi

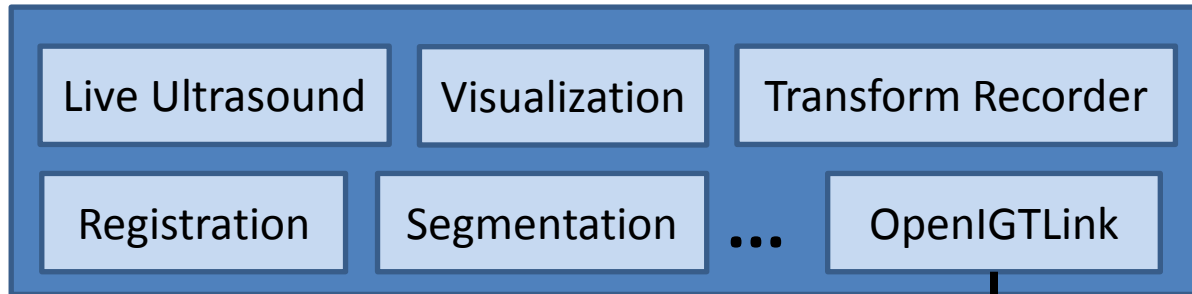
Queen's University, Kingston, Canada

Hardware design

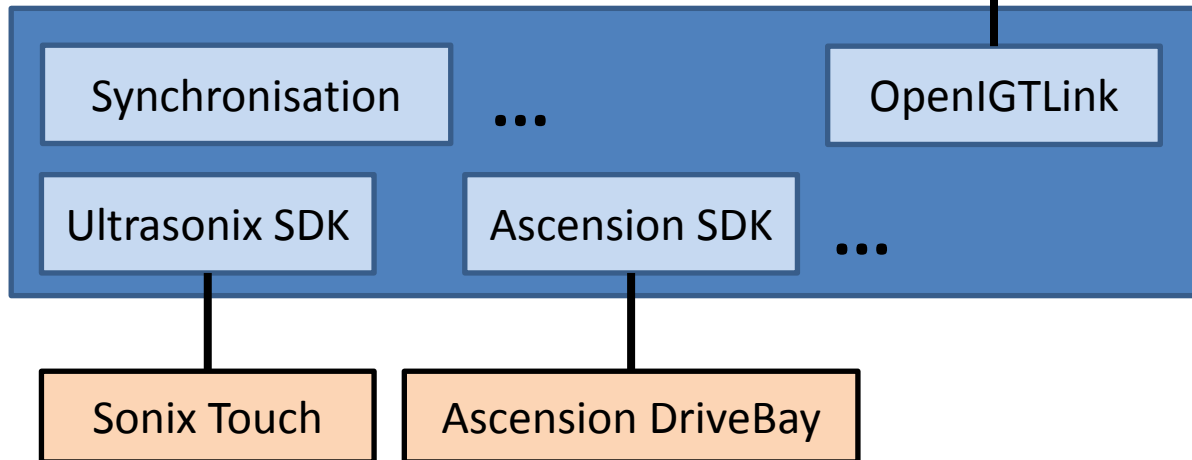


Software design

3D Slicer

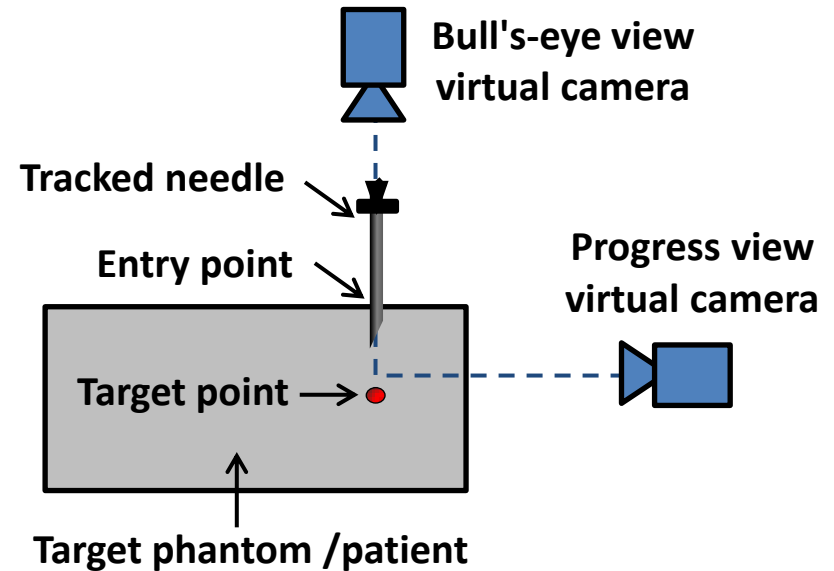
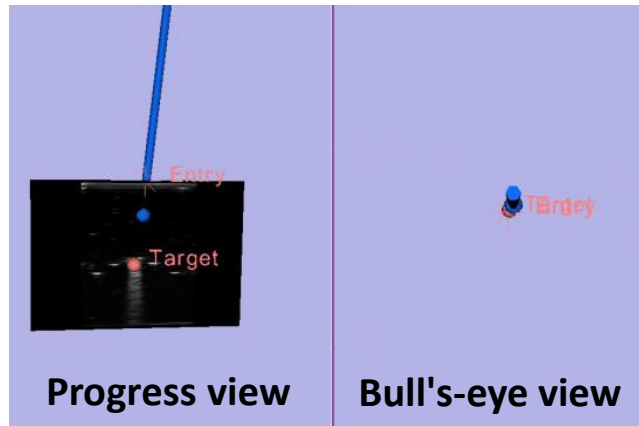


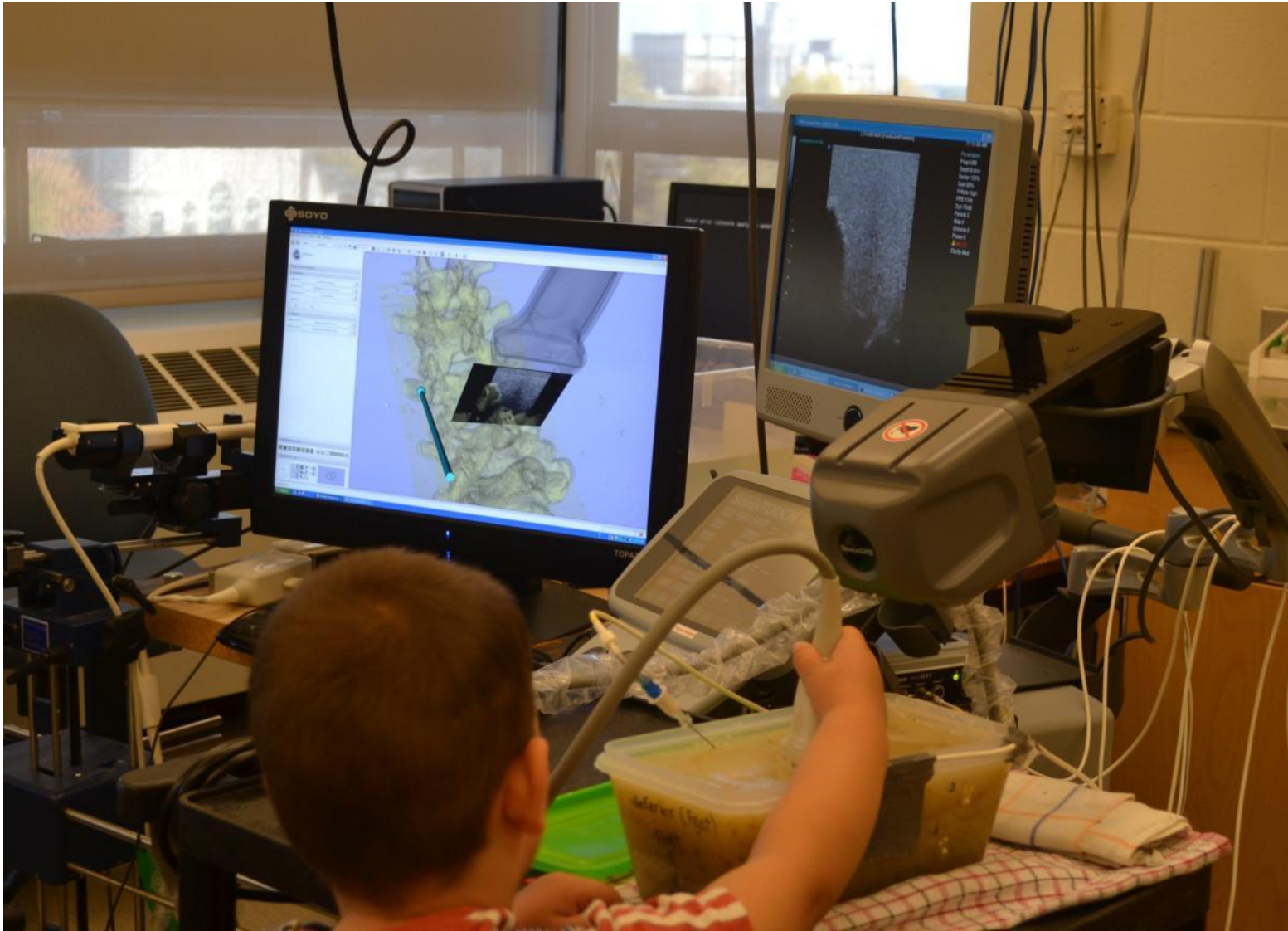
PLUS (<https://www.assembla.com/spaces/plus/>)



Dual 3D view navigation

Dual 3-D layout in 3D Slicer





What is needed?

... much has been done already, but

- Tracker-model registration module (instead of the existing solution with multiple modules)
- Time support in Slicer, at least timestamps
- Recording / replay (in time) functions

