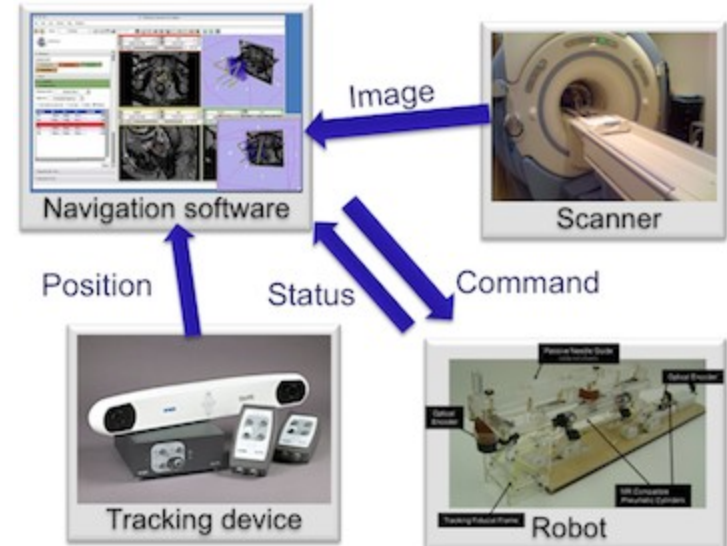


OpenIGTLink in Plus

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August 4, 2011

What is OpenIGTLink?

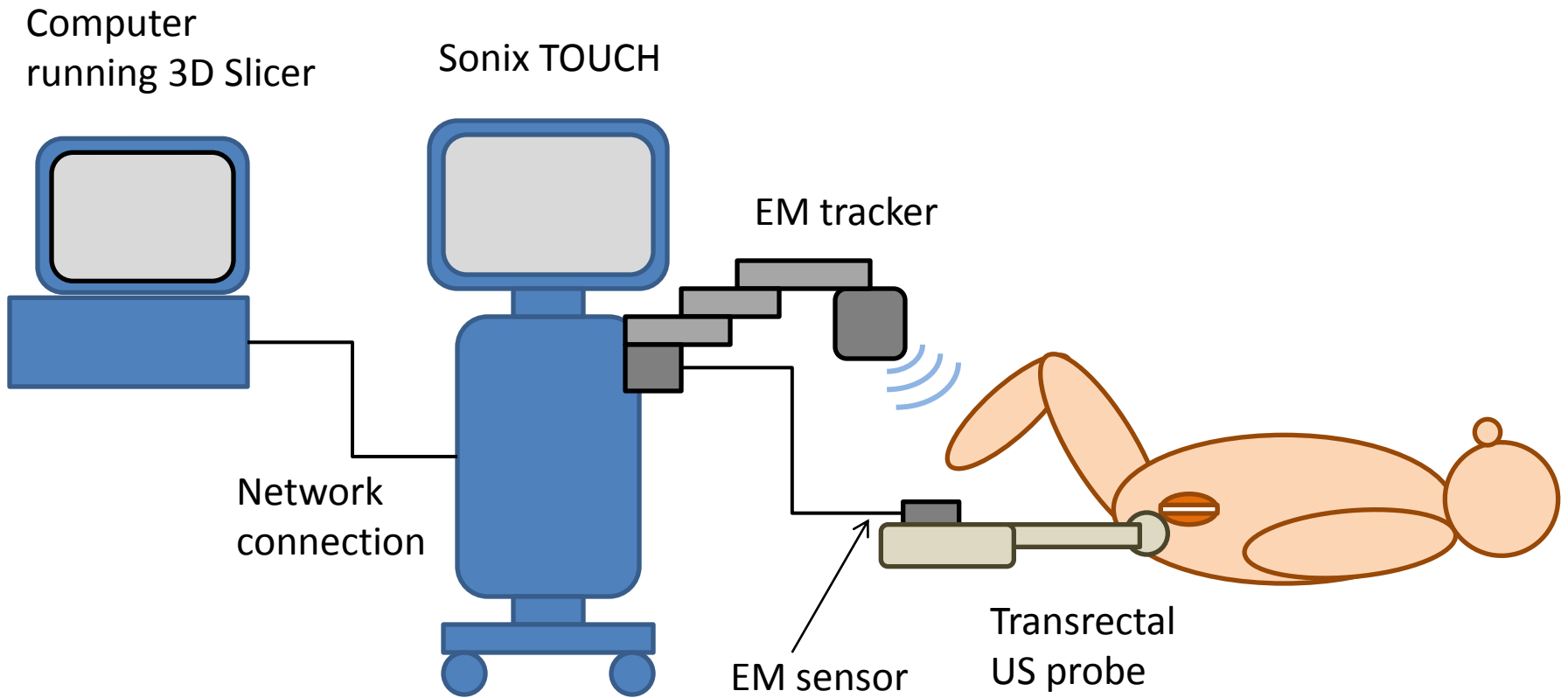
- Open, simple, platform independent, ready-to-use network communication protocol, designed primarily for IGT
- Version 2 coming out with Slicer4.
- <http://www.namc.org/Wiki/index.php/OpenIGTLink>



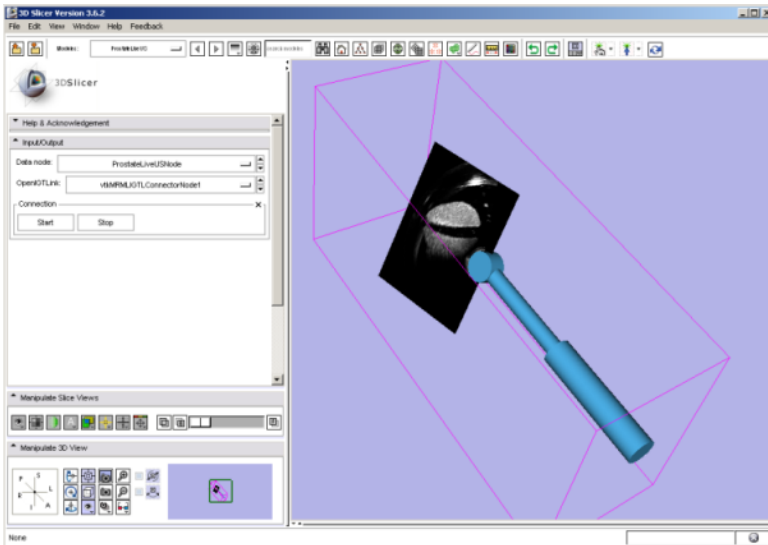
OpenIGTLink in Plus

- Ready: `vtkOpenIGTLinkBroadcaster` class sends 2D image sliced and tracked tool transforms to specified network addresses.
- Work in progress: `OpenIGTLinkBroadcaster` application will provide a network interface for most Plus features.
- “LiveUltrasound” Slicer module (under development) to provide GUI for different Plus features.

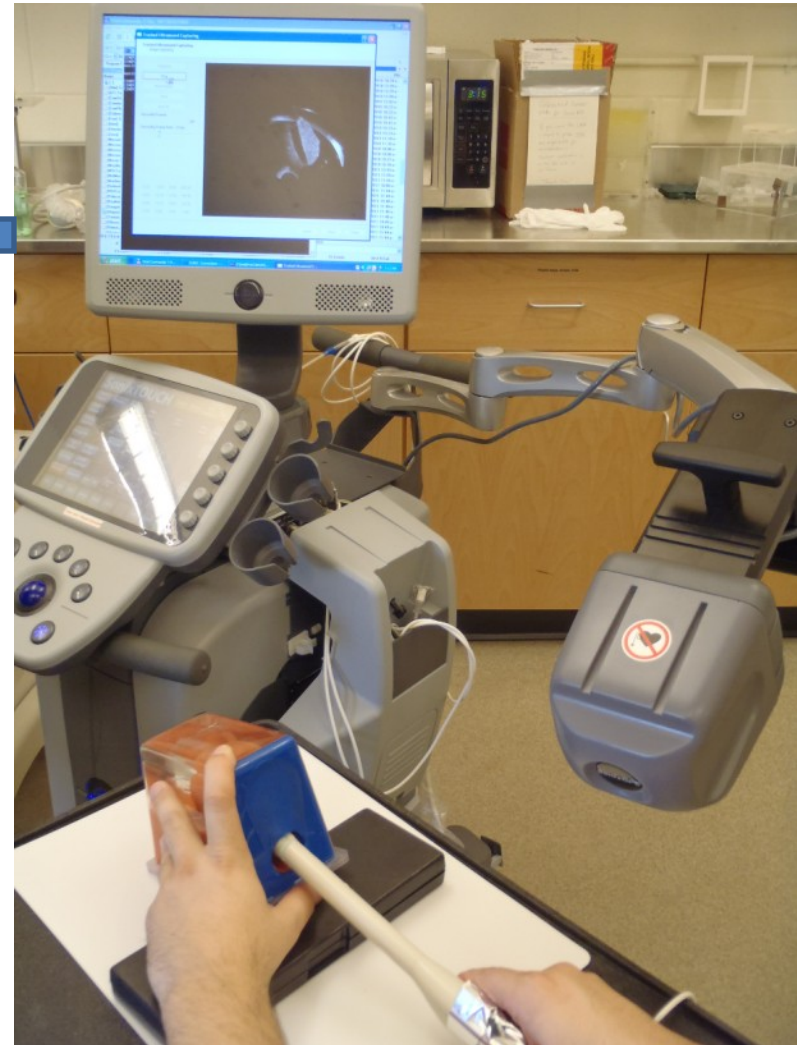
Hardware



Prototype

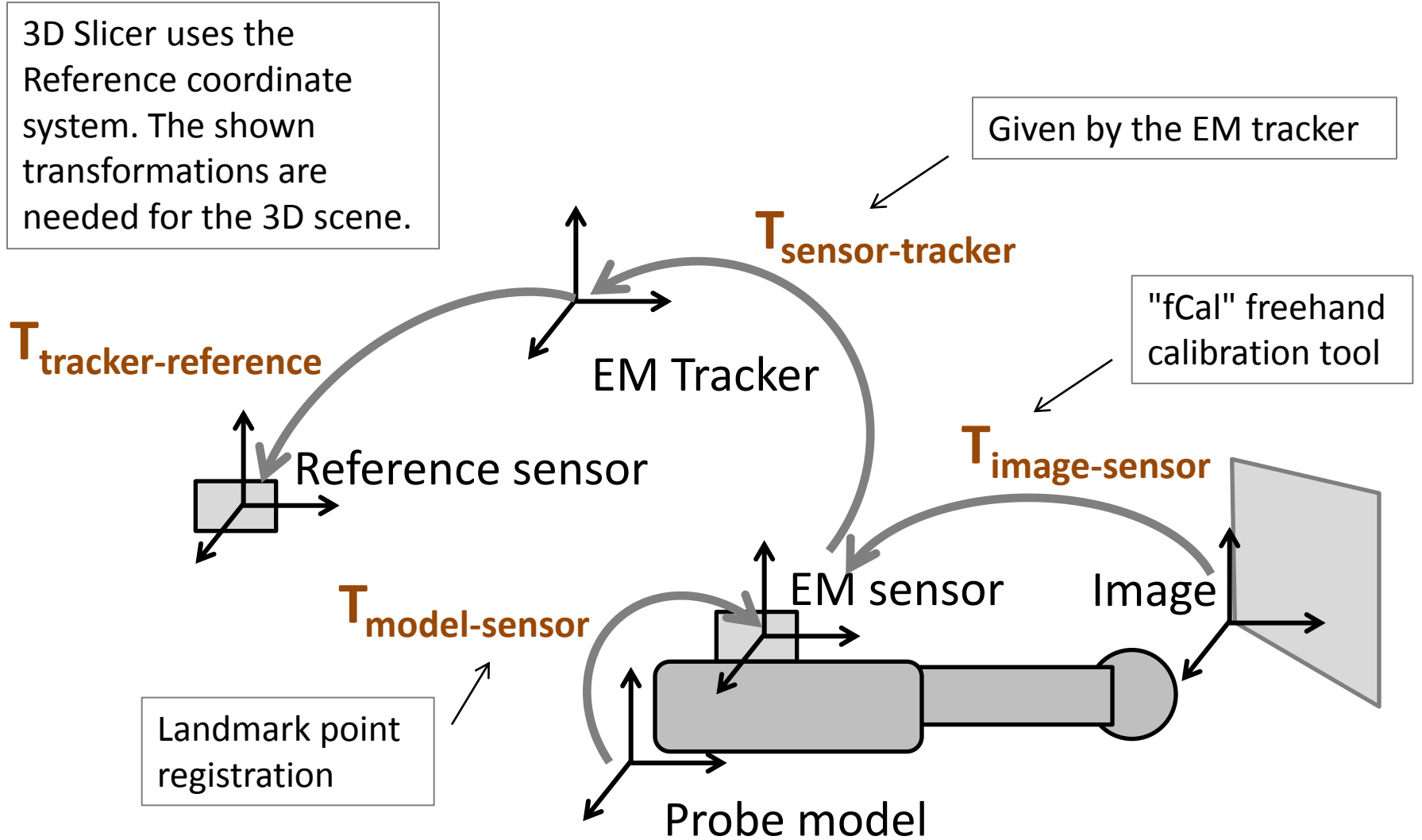


3D Slicer running
ProstateLiveUS module



Sonix TOUCH - GPS
EM tracked transducer

Calibration



Software

