
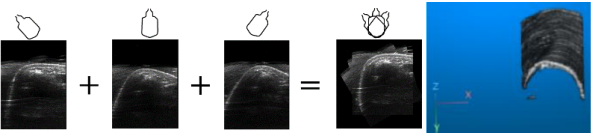
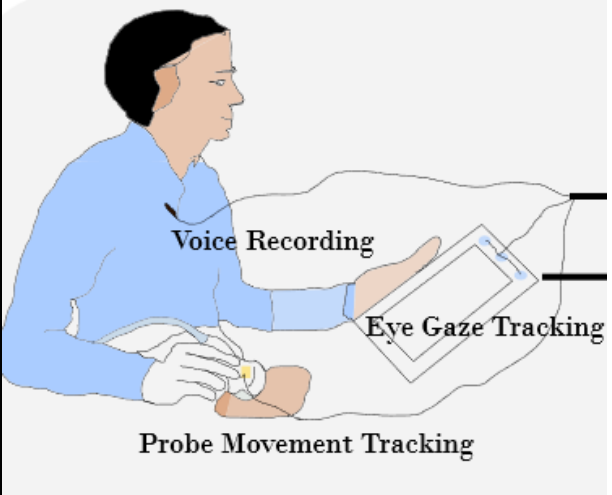


Imaging 4.0: Intelligent and Flexible Ultrasound Imaging

	<p>Flexible array ultrasound imaging:</p> <ul style="list-style-type: none"> • Novel flexible array designs for conformal, wearable and continuous imaging • Deep learning-based non-linear image reconstruction • Computational imaging (e.g. imaging of tissue stiffness/attenuation, dynamics of blood flow)
	<p>3D multi-perspective imaging:</p> <ul style="list-style-type: none"> • Autonomous robotic scanning for multi-view retro perspective reconstruction. • High frame rate image acquisition and registration • Algorithms for 3D reconstruction and rendering
	<p>Automated and aided imaging:</p> <ul style="list-style-type: none"> • Novel active learning incorporated image annotation and guidance • Reinforcement learning-based unsupervised image (picture) archiving system
<p>Collaborators:</p> <p>Industry partners: GE Healthcare, Fujifilm Visualsonics, Vexev,</p> <p>Academic Partners: University of Alberta, National University Hospital (NUHS), A*STAR IMRE, A*STAR SICS</p>	