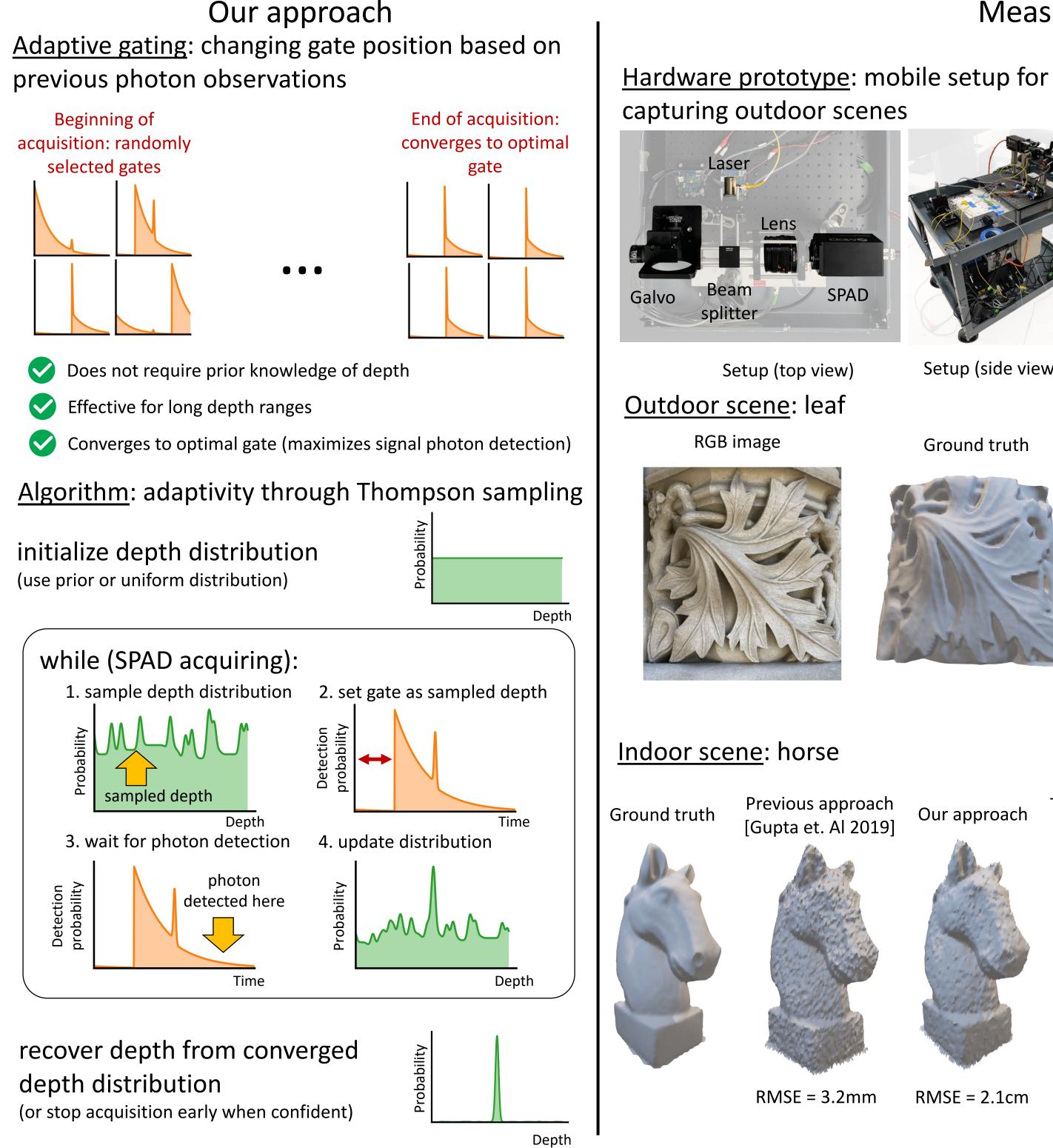
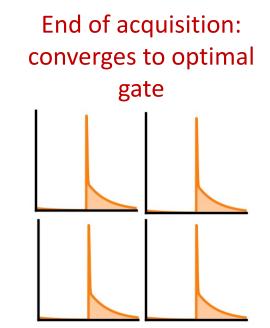


Adaptive Gating for Single-Photon 3D Imaging Ryan Po, Adithya Pediredla, Ioannis Gkioulekas



imaging.cs.cmu.edu/adaptive_gating

Measured data experiments



capturing outdoor scenes Laser

Beam SPAD Galvo splitter

Setup (top view)

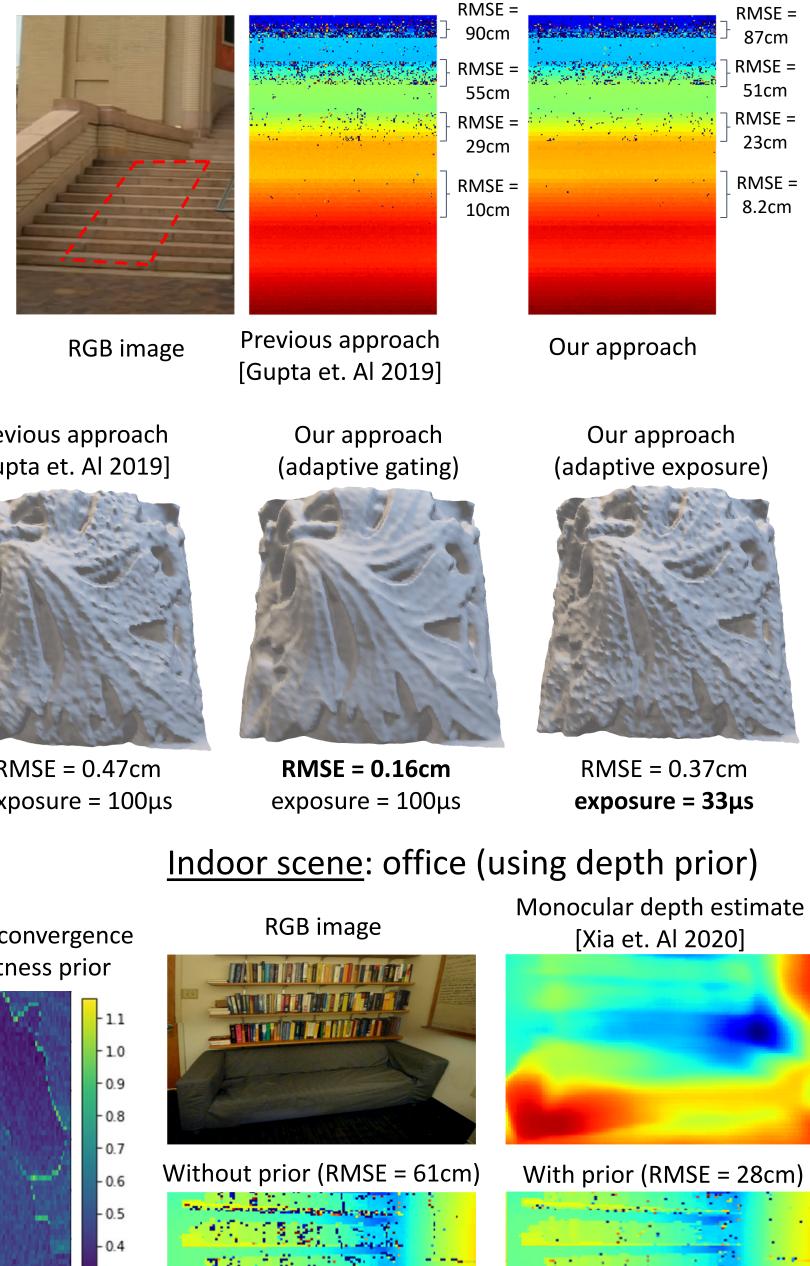
Outdoor scene: leaf

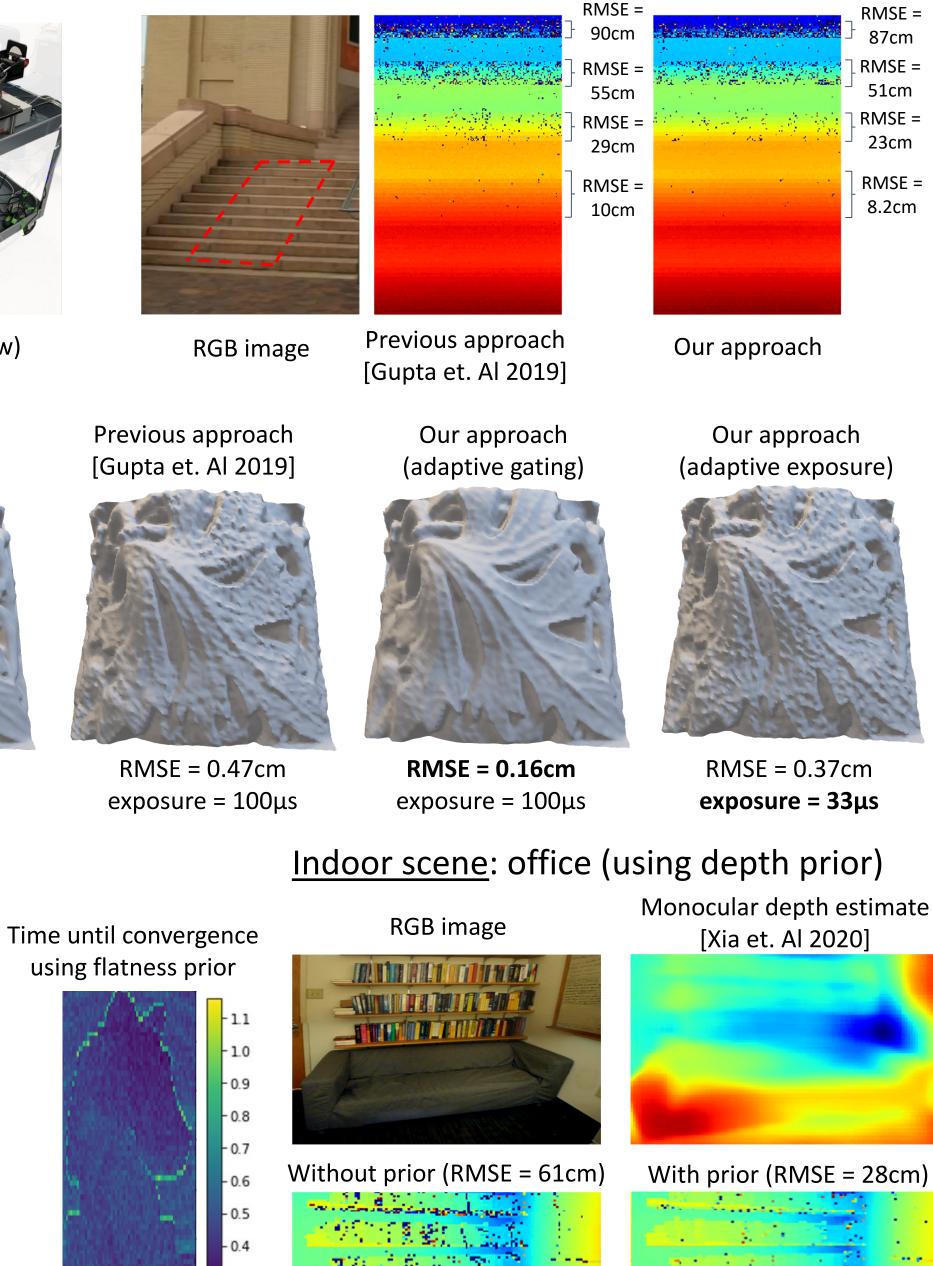
RGB image



Setup (side view)

Ground truth





Indoor scene: horse

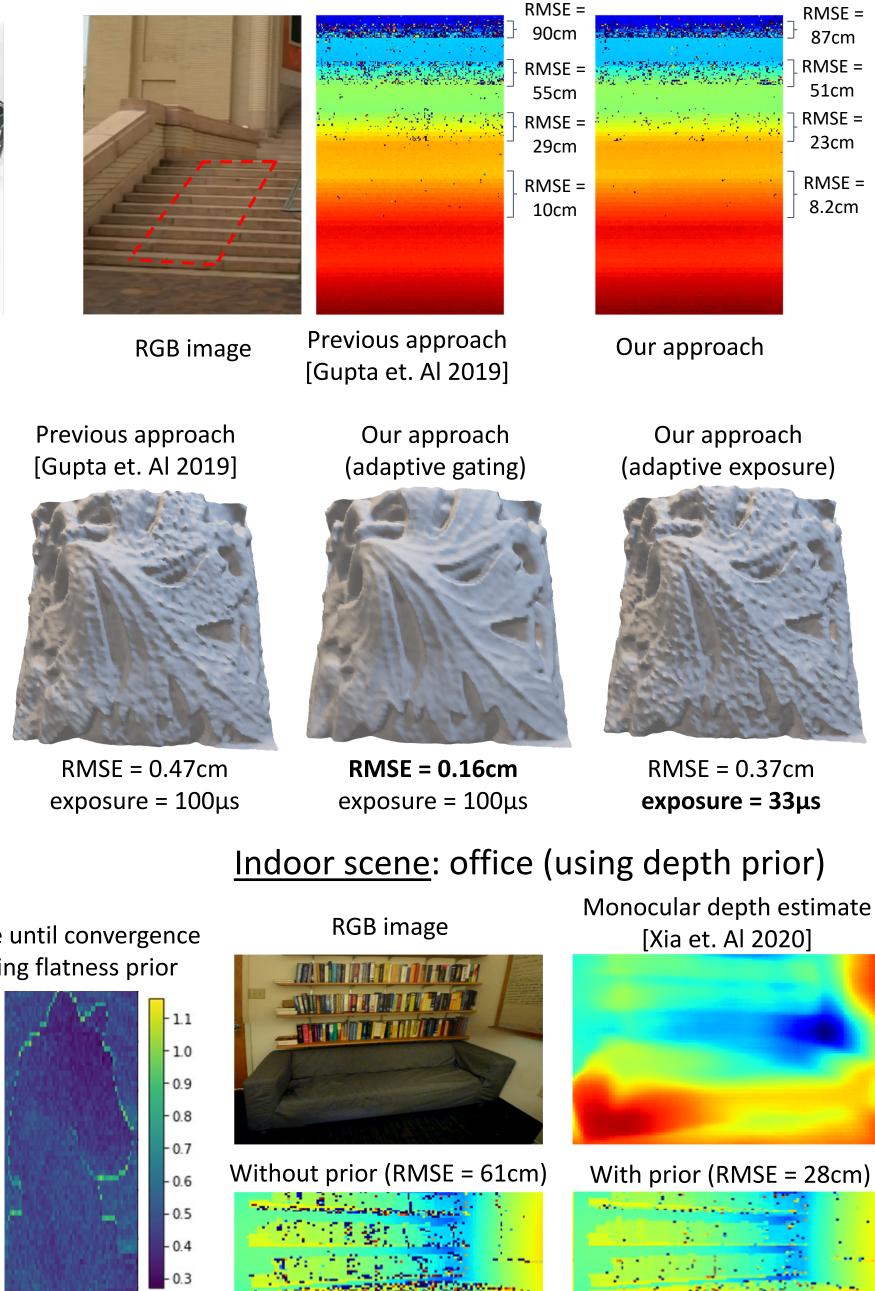


Previous approach [Gupta et. Al 2019]





RMSE = 2.1cm



<1 means using prior is better

RMSE = 3.2mm



Outdoor scene: stairs