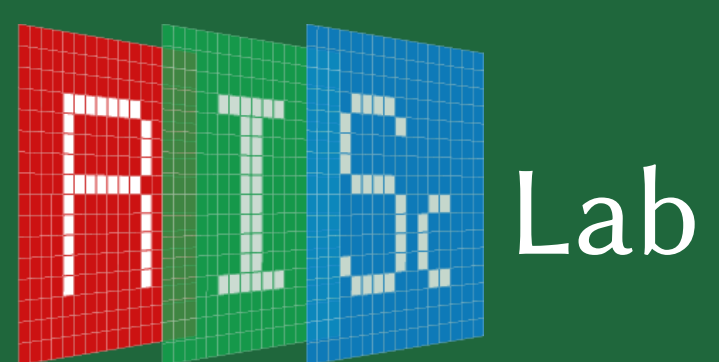
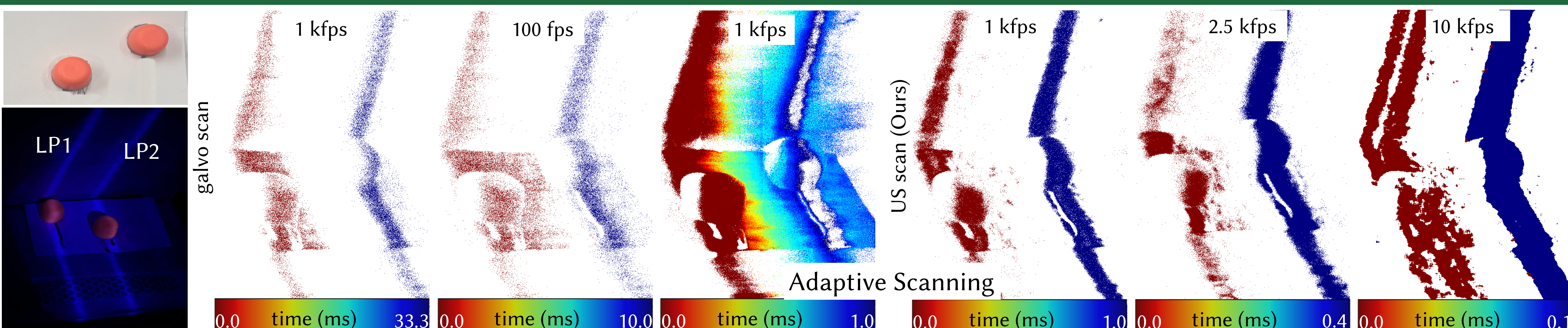
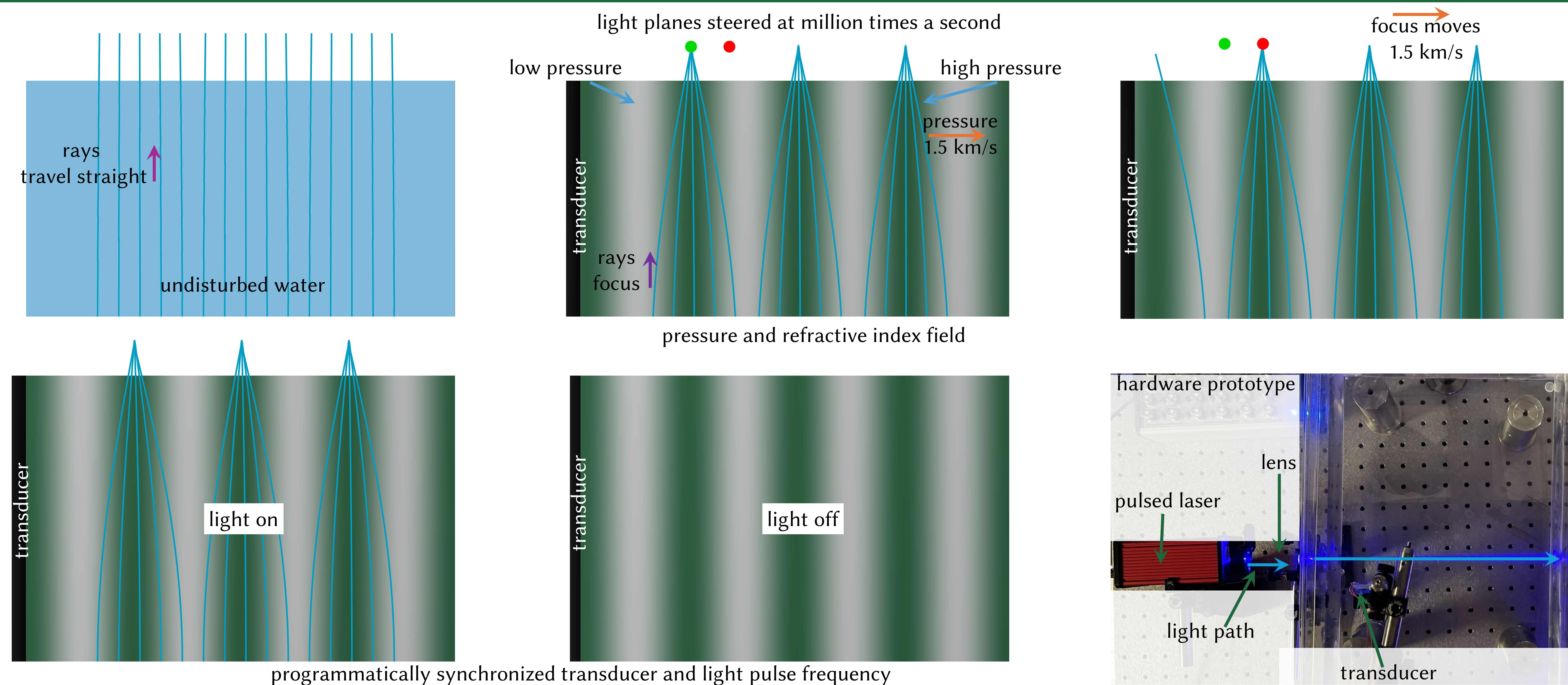
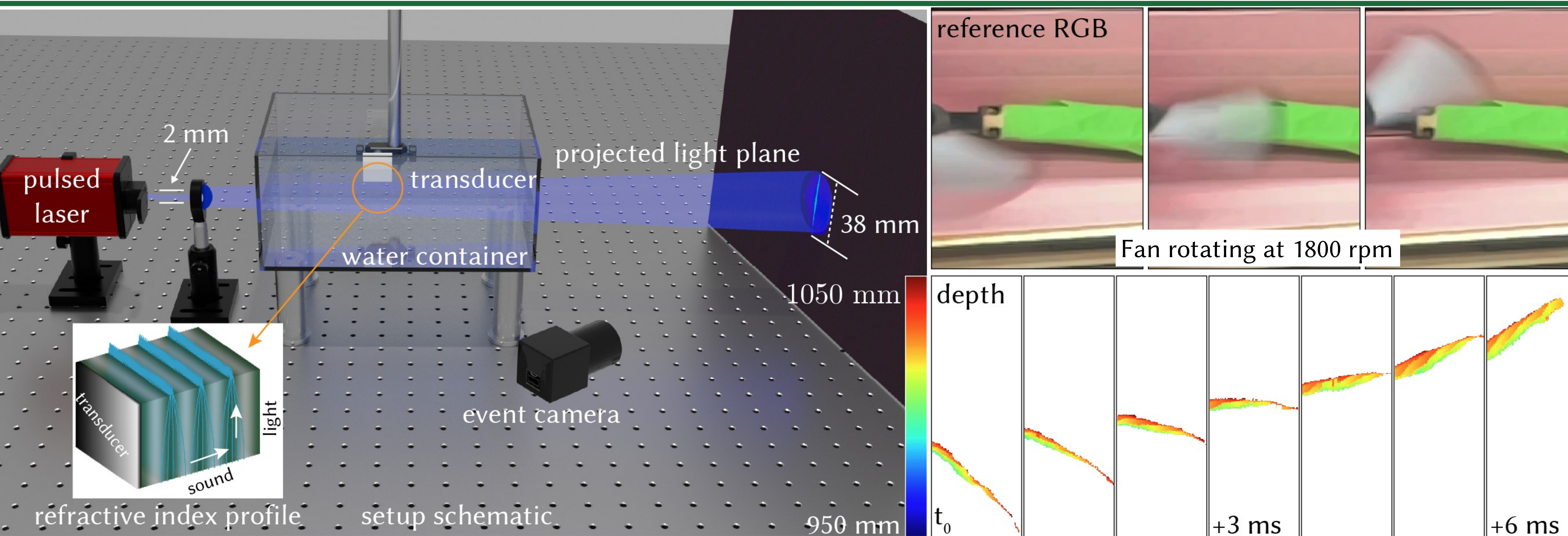


Structured light with a million light planes per second

Dhawal Sirikonda, Praneeth Chakravarthula, Ioannis Gkioulekas[§], Adithya Pediredla[†]
Dartmouth College[†], UNC Chapel Hill[‡], Carnegie Mellon University[§]



- Million light planes a second
1000x faster than Galvo.
- Low-Cost
(USD 150)
- Ultrasound in water
focusses and steers light planes



Acknowledgements

This work was supported by the National Science Foundation under awards 2047341, 2107454, 2326904, and 2403122, as well as a Sloan Research Fellowship for Ioannis Gkioulekas. We thank Aniket Dashpute (Rice University) and Manasi Muglikar (University of Zurich) for their valuable insights on event camera parameters. We also thank Ziyuan (Quinton) Qu and Sarah K. Friday (Dartmouth College), for their assistance in setting up the experimental scenes.