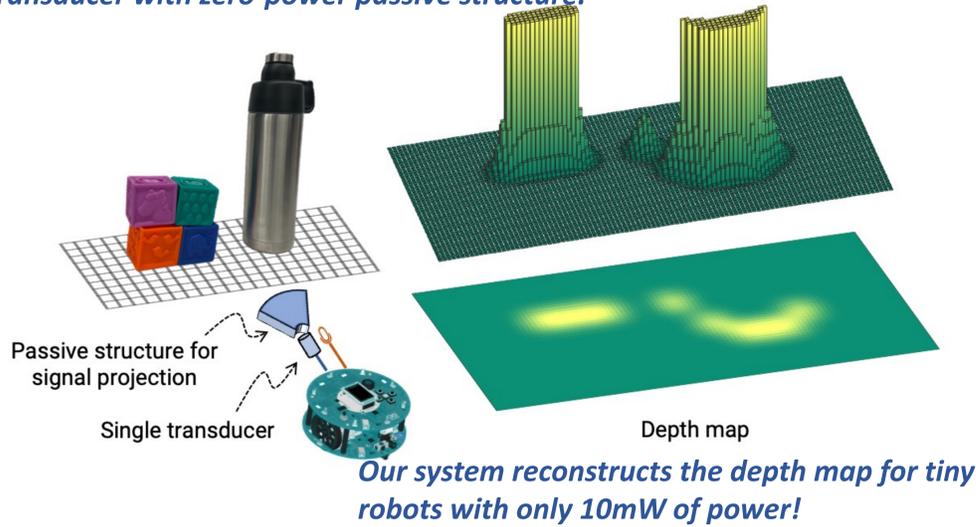


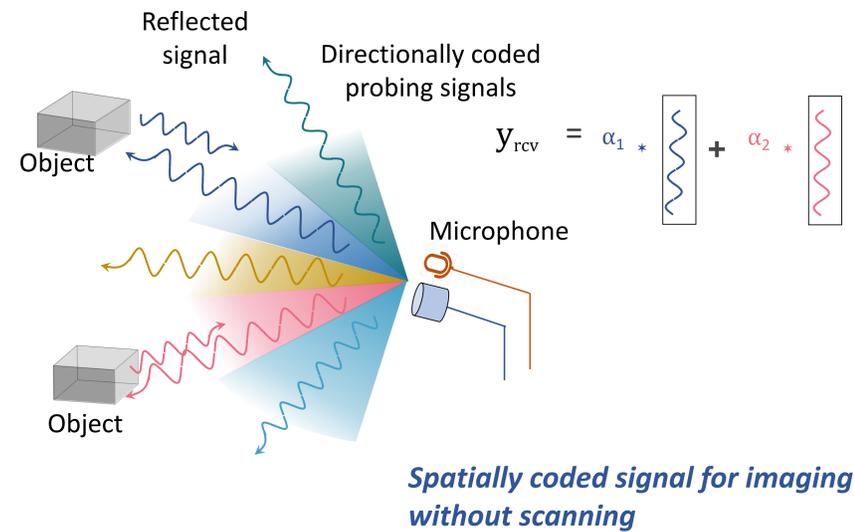
Ultra-low-power Acoustic Imaging

1. Vision

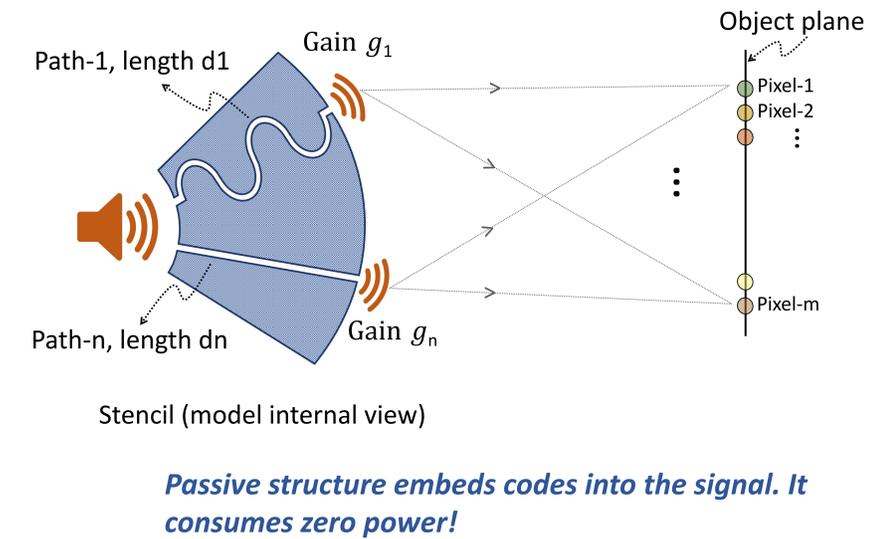
Our vision: Replace power consuming transducer array to only a transducer with zero-power passive structure.



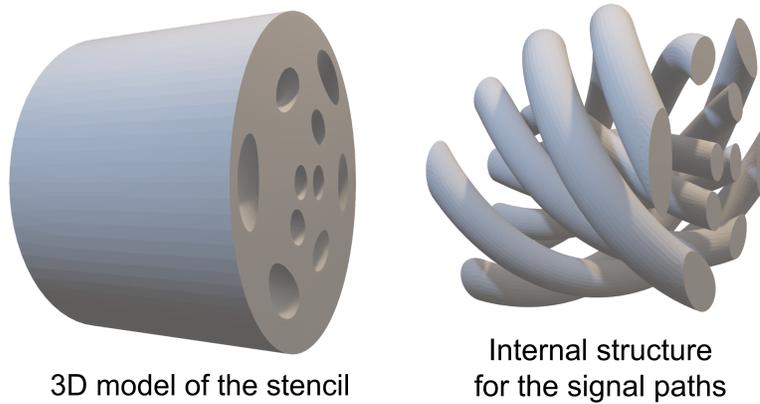
2. Coded signal projection



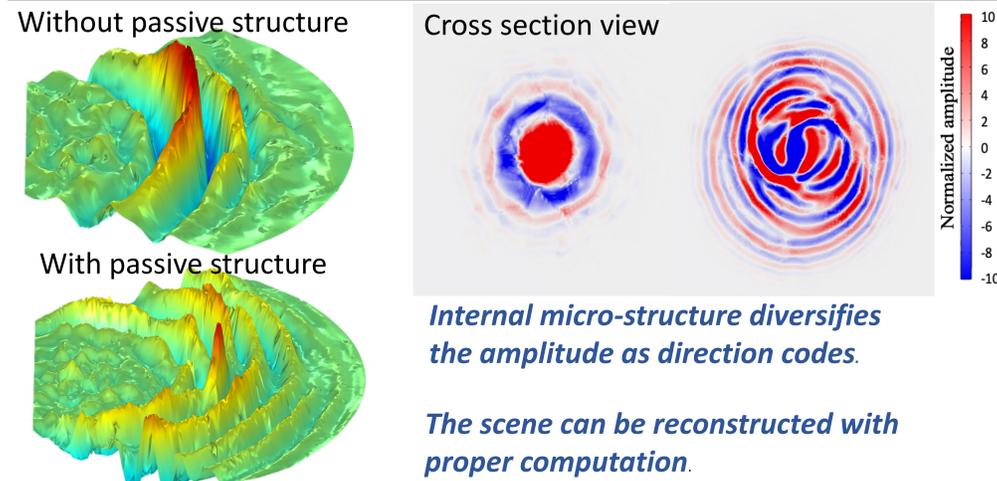
3. Diversify signal in space



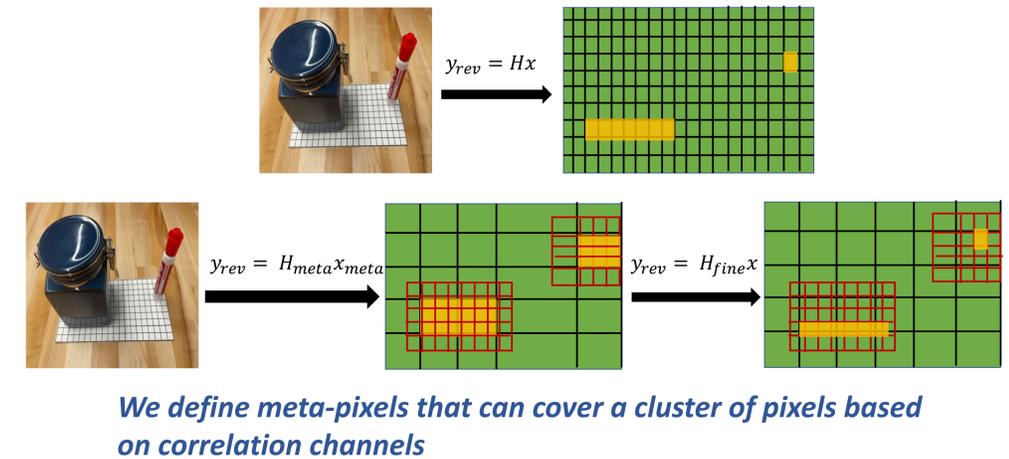
4. Acoustic Structure



5. Spread energy over the region

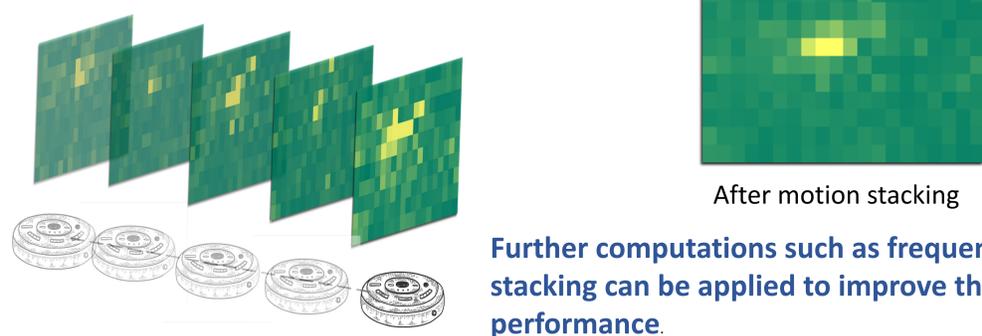


6. Low-power Reconstruction



7. Motion stacking

Maps constructed during motion



8. Evaluation

