

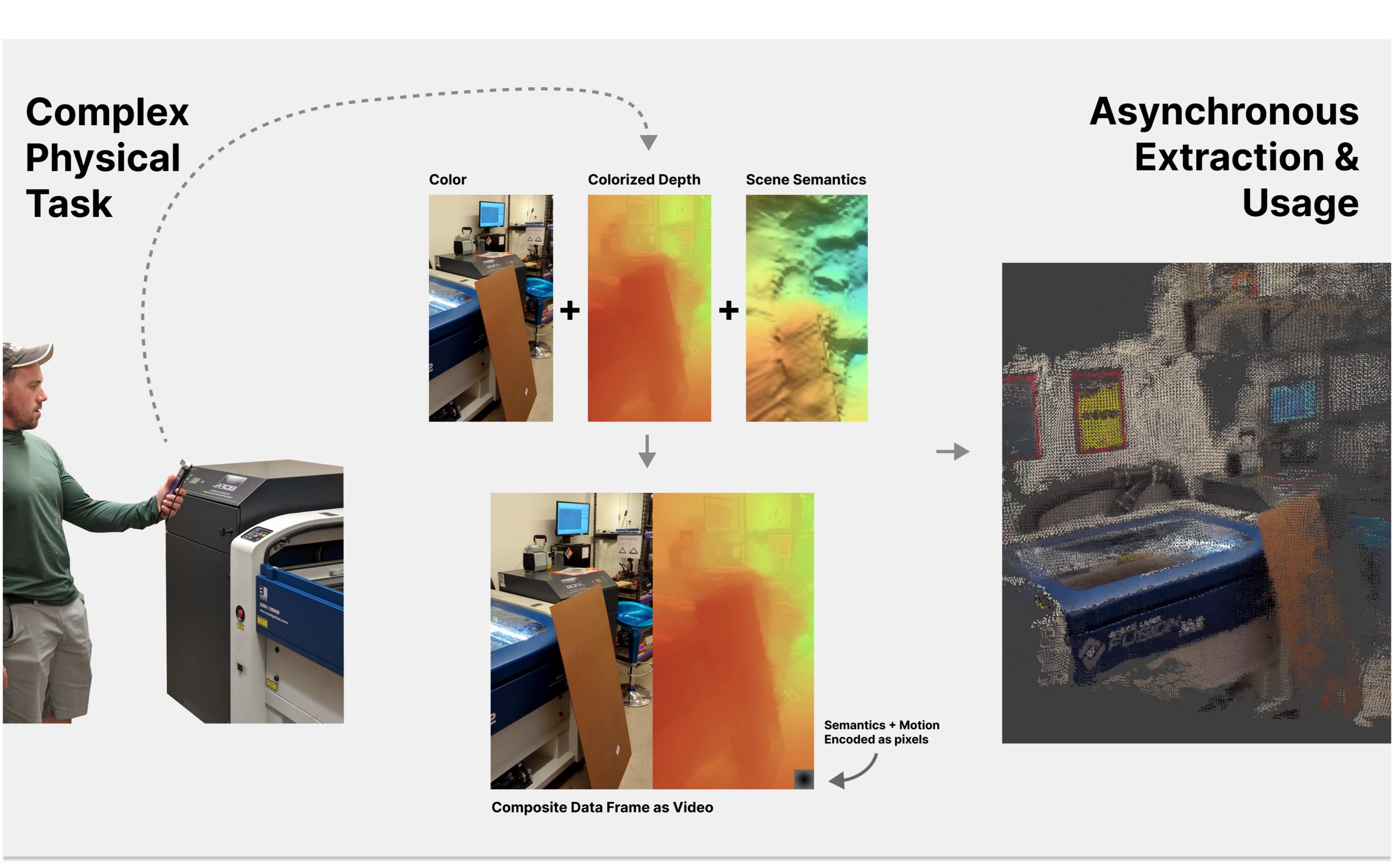
Asynchronous spatial guidance using mobile devices and Augmented Reality

Rishi Vanukuru (3rd year PhD, ATLAS Institute)
Advisor: Ellen Yi-Luen Do





Mobile Devices + Optimized Data-to-video Pipeline



Asynchronous Spatial Guidance + Training Models on Spatial & Physical Tasks

Mobile Devices, with onboard depth and motion sensors, are ideal candidates to record and store information on complex physical and spatial tasks. By using novel methods of compressing multimodal data into video, we can create a rich source of information to assist in asynchronous spatial guidance, as well as in the training of models to work in dynamic spatial environments.

For more details, visit colorado.edu/atlas/acme-lab and rishivanukuru.com