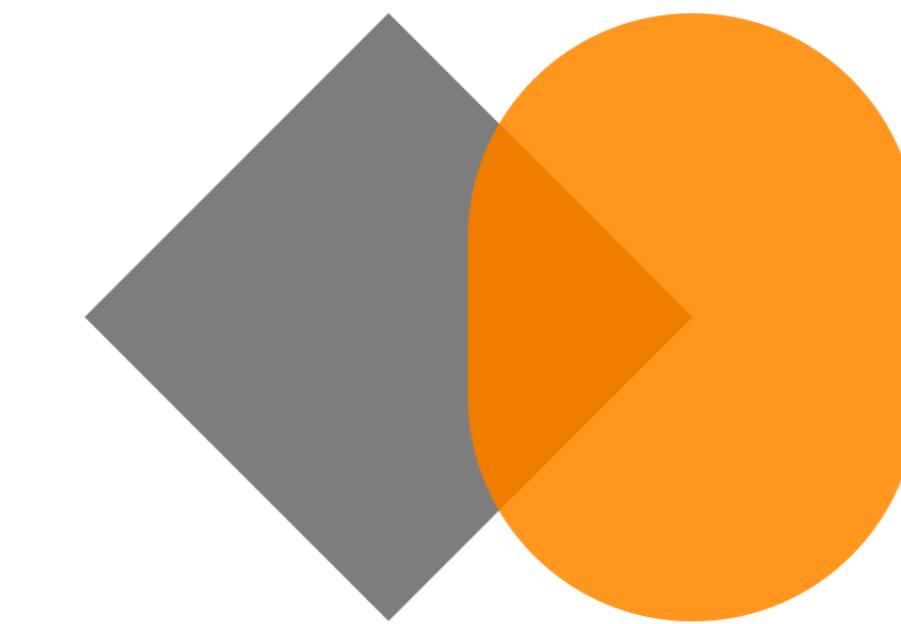


Learning Visually Guided Latent Actions for Assistive Teleoperation



iliad

intelligent and interactive autonomous systems



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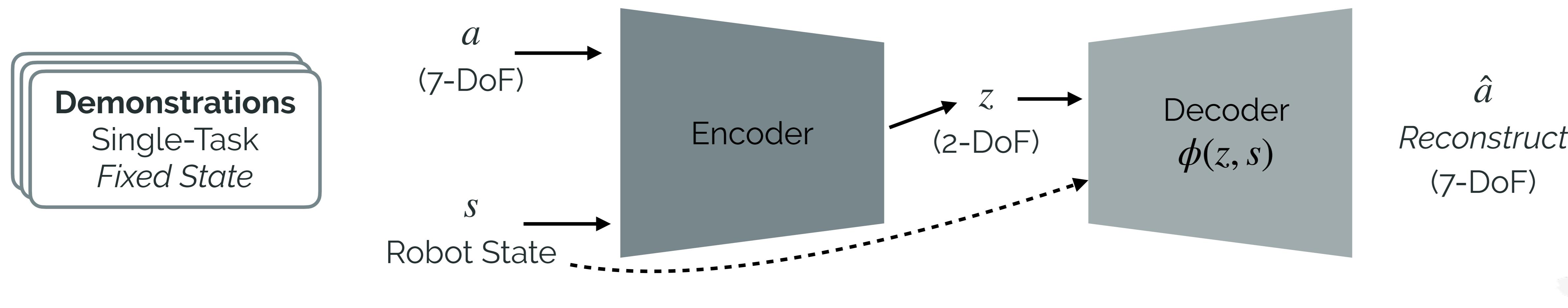


Dorsa Sadigh



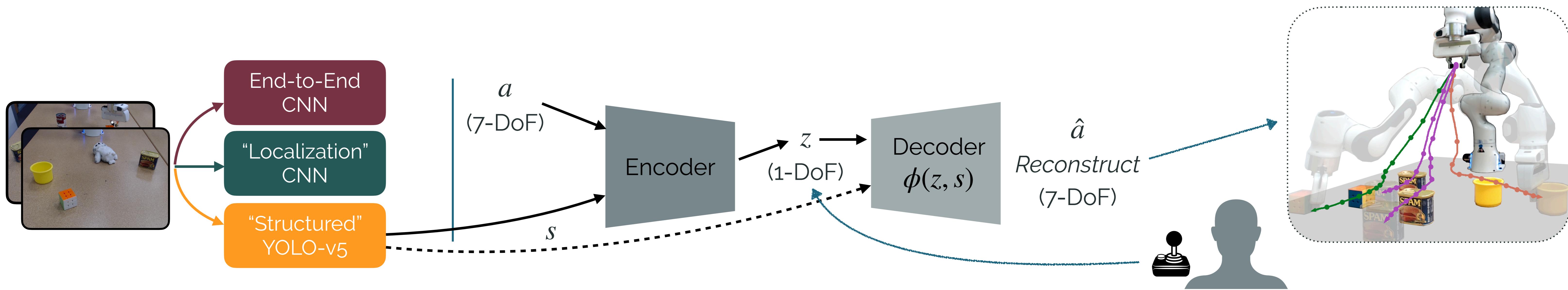
Learned Latent Actions

[Prior Work] **Latent Actions** — Low-dimensional, task aware controllers for high-dimensional robots.



[Problem] **Generalization** — dynamic, changing states; few-shot learning “similar” tasks!

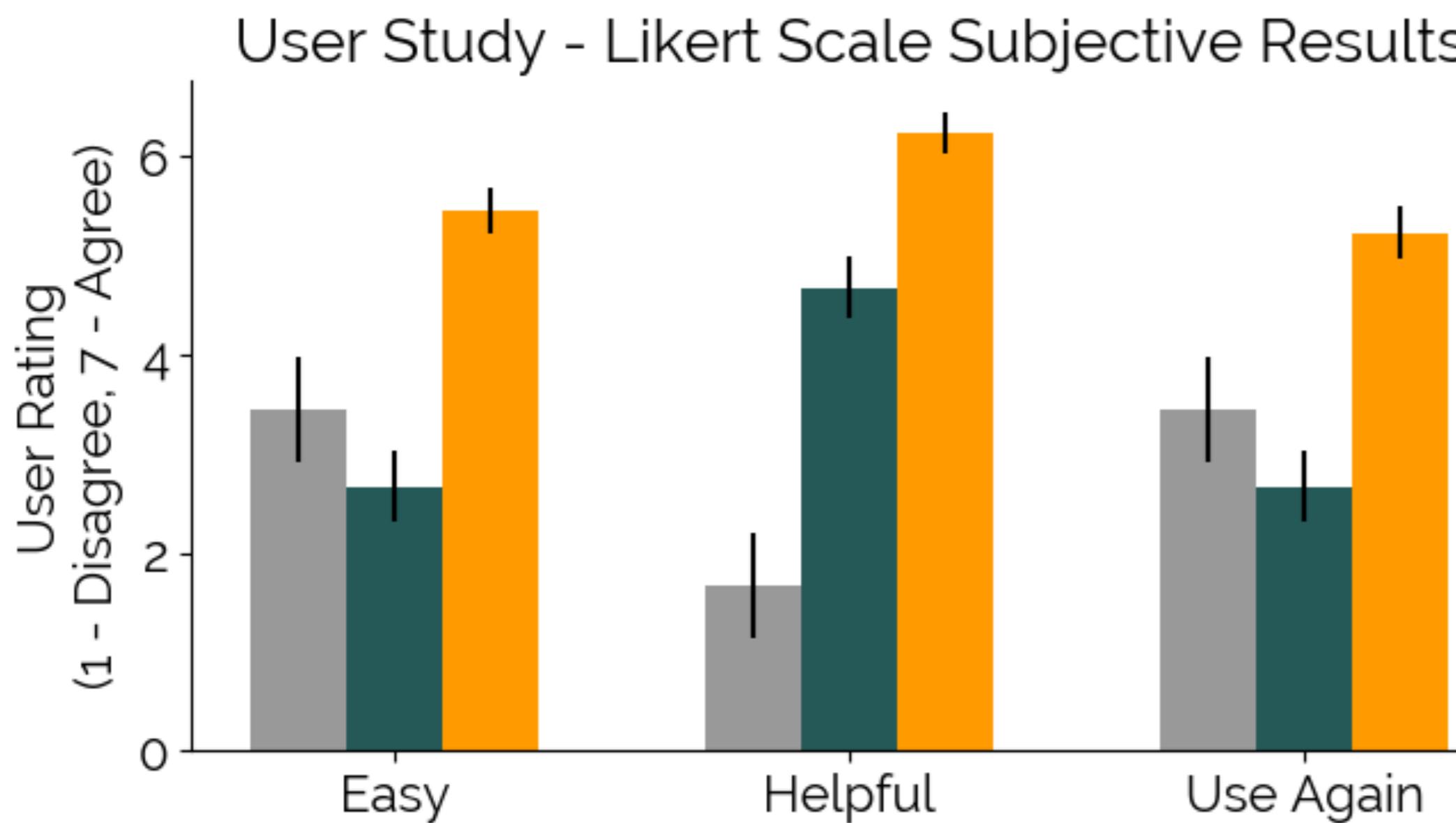
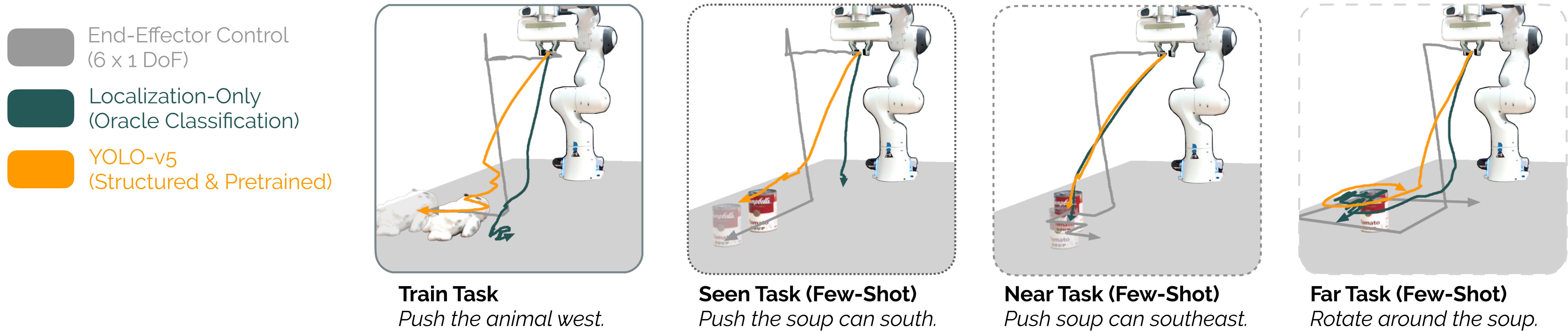
[This Work] **Perception** — how to encode visual information and enable generalization?



Visually Guided Latent Actions – Results

User Study – Which controllers are effective?

Few-shot generalization performance from *just 3 demonstrations*?



**Check out our paper for more details
on methods, simulations, and
qualitative results!**

Thanks so much!

If you have questions or want to chat, feel free to email me – skaramcheti@cs.stanford.edu

