

**Guy Hoffman** 

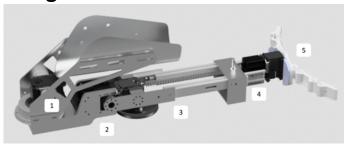
**Cornell University** 

Award Nr. 1734399

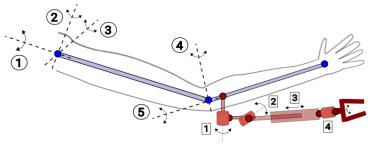




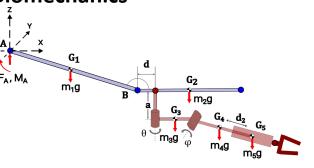
#### Design



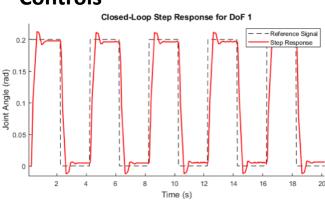
#### **Kinematics**



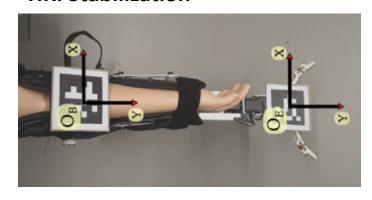
#### **Biomechanics**



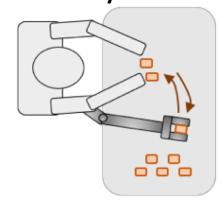
#### **Controls**



#### **HRI Stabilization**

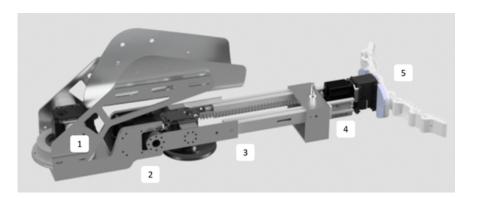


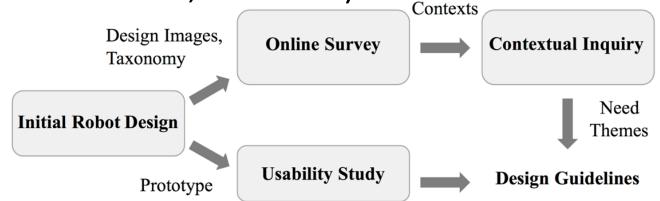
#### **Autonomy**



















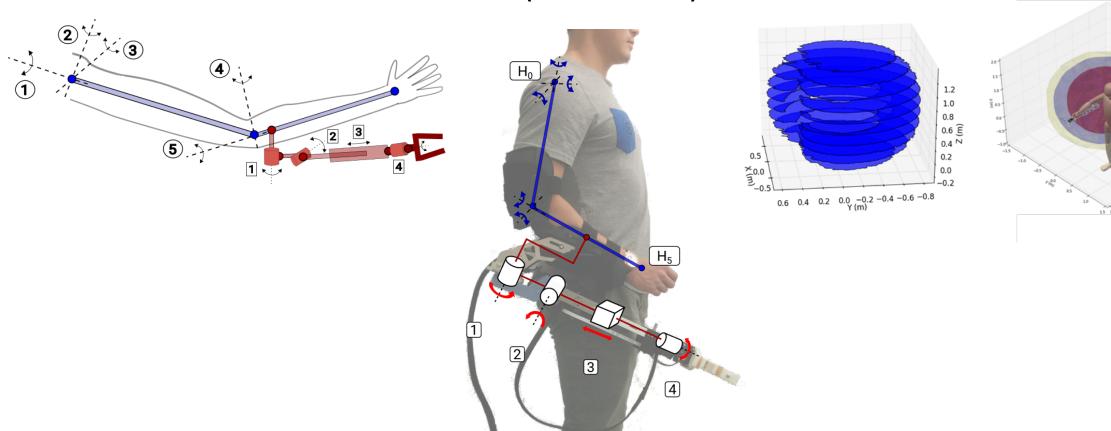


Usage



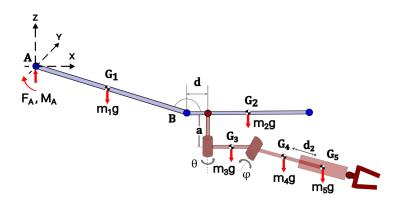


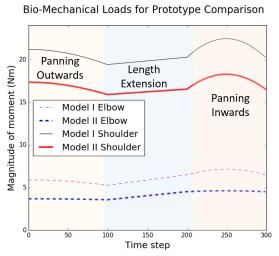
### Kinematics — Vatsal & Hoffman (ICRA 2018)

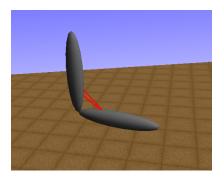


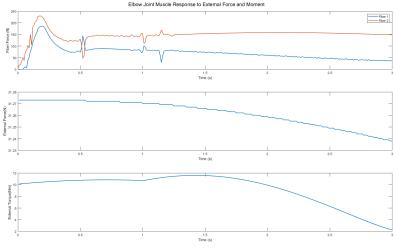


## Biomechanics — Vatsal & Hoffman (ICRA 2018 & Forthcoming)



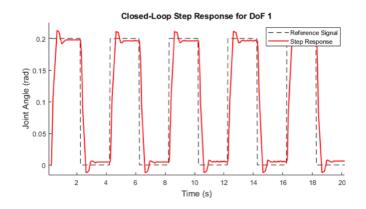


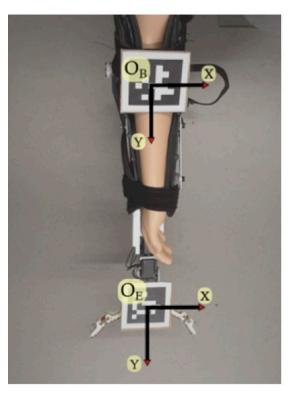




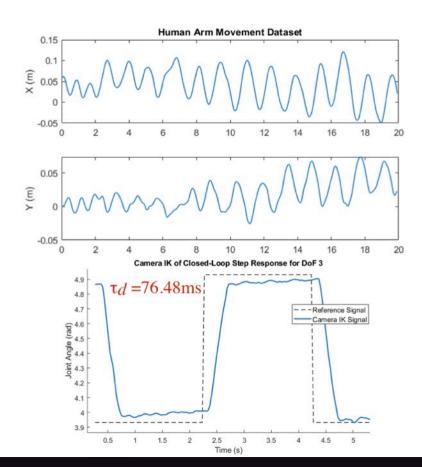


### **Controls & HRI Stabilization** — Vatsal & Hoffman (DSCC 2019 & Forthcoming)



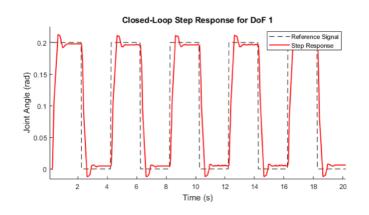


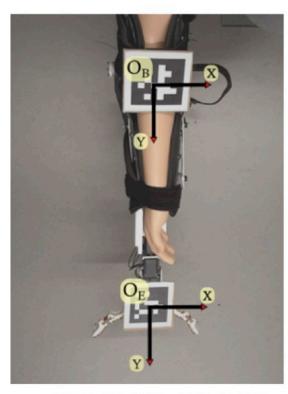
FPS = 26Hz [ 38.6ms ]



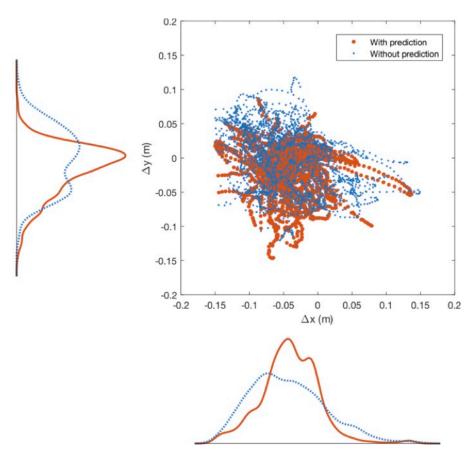


## **Controls & HRI Stabilization** — Vatsal & Hoffman (DSCC 2019 & Forthcoming)



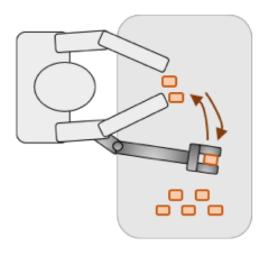


FPS = 26Hz [ 38.6ms ]





## **HRI Autonomy** —Forthcoming

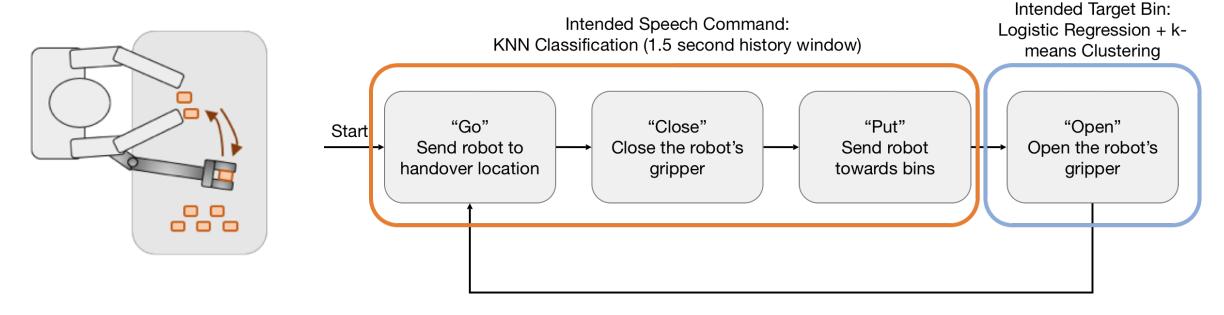






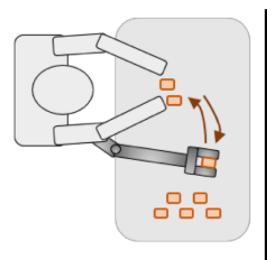


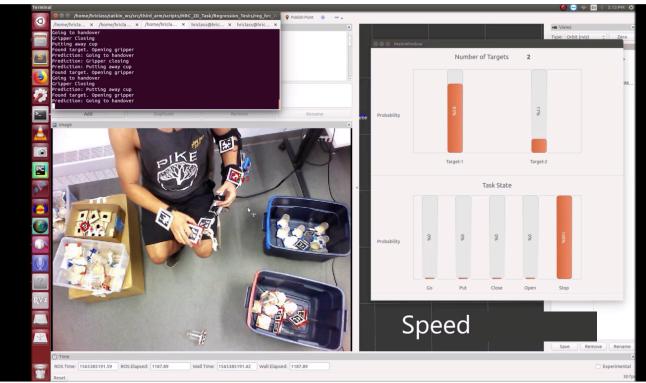
#### **HRI Autonomy** —Forthcoming

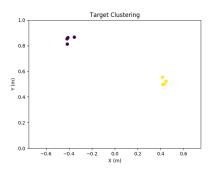


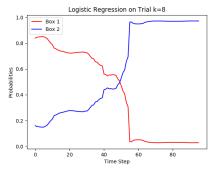


#### **HRI Autonomy** —Forthcoming











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Thank you!













