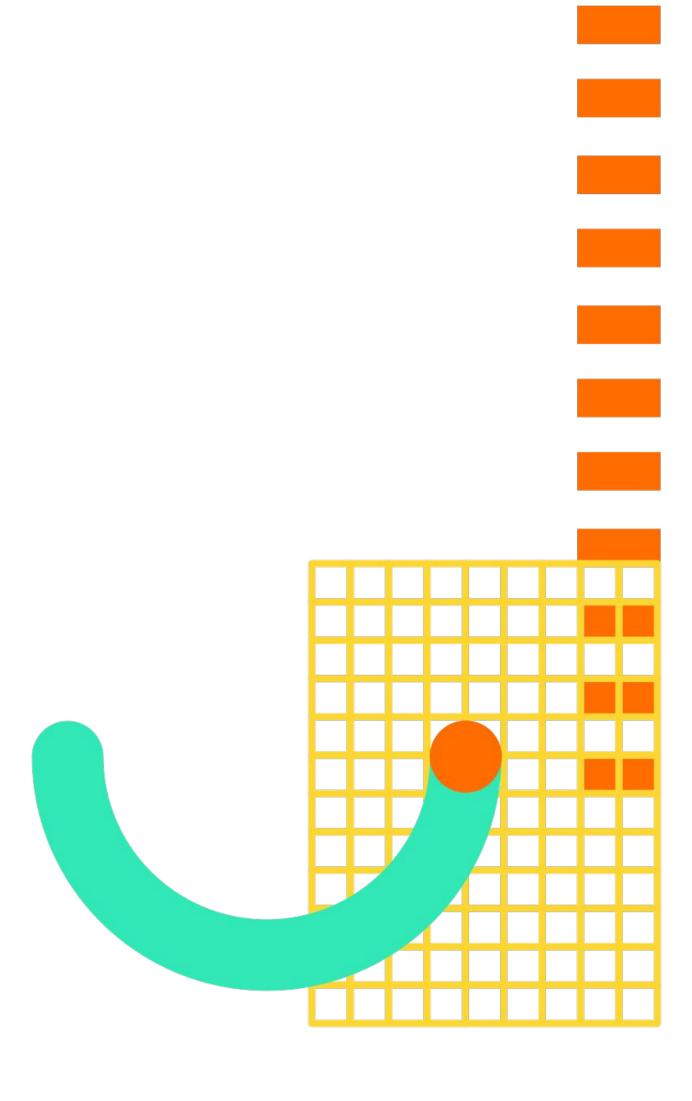


#### Robotics

Vincent Vanhoucke

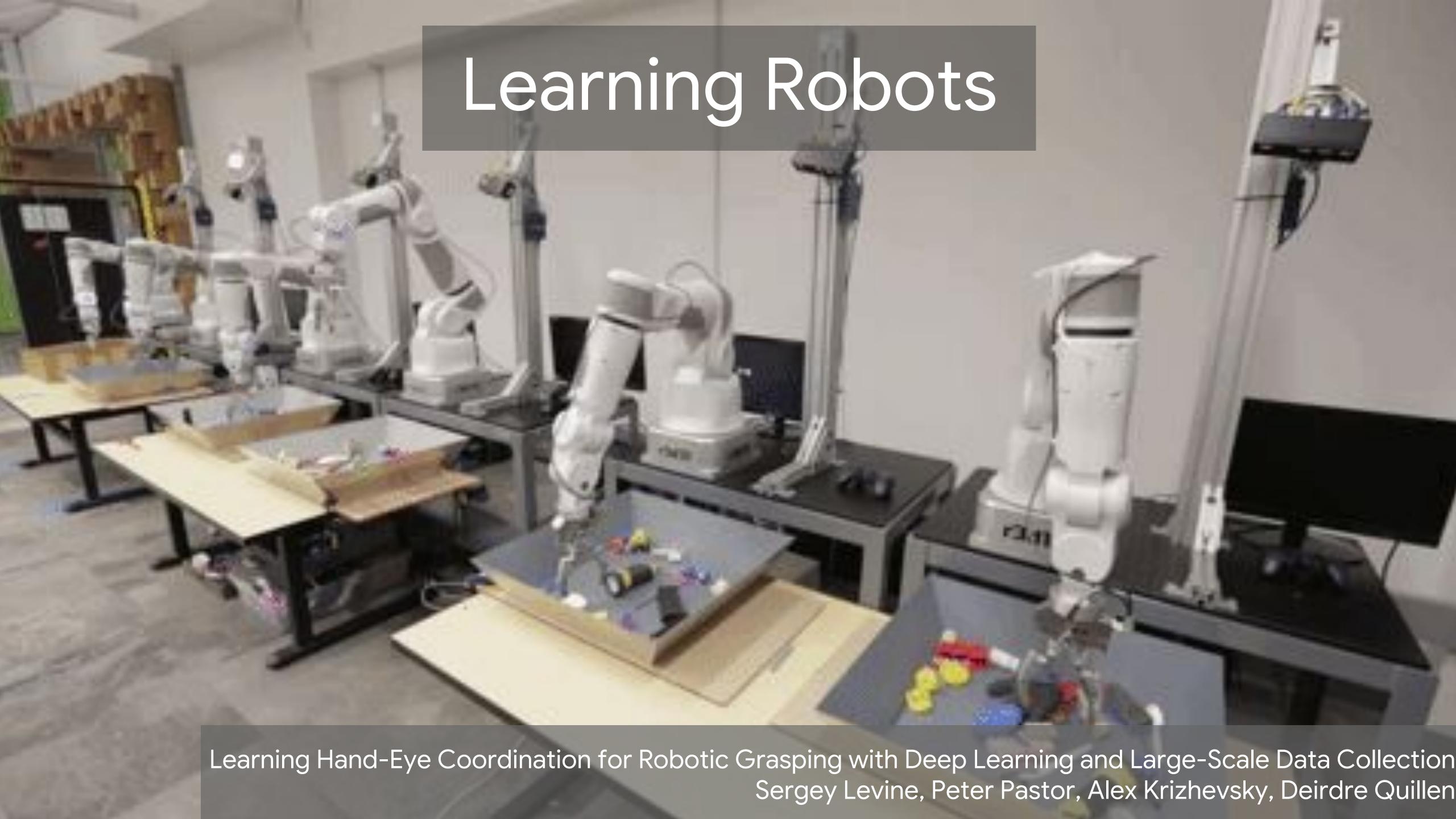


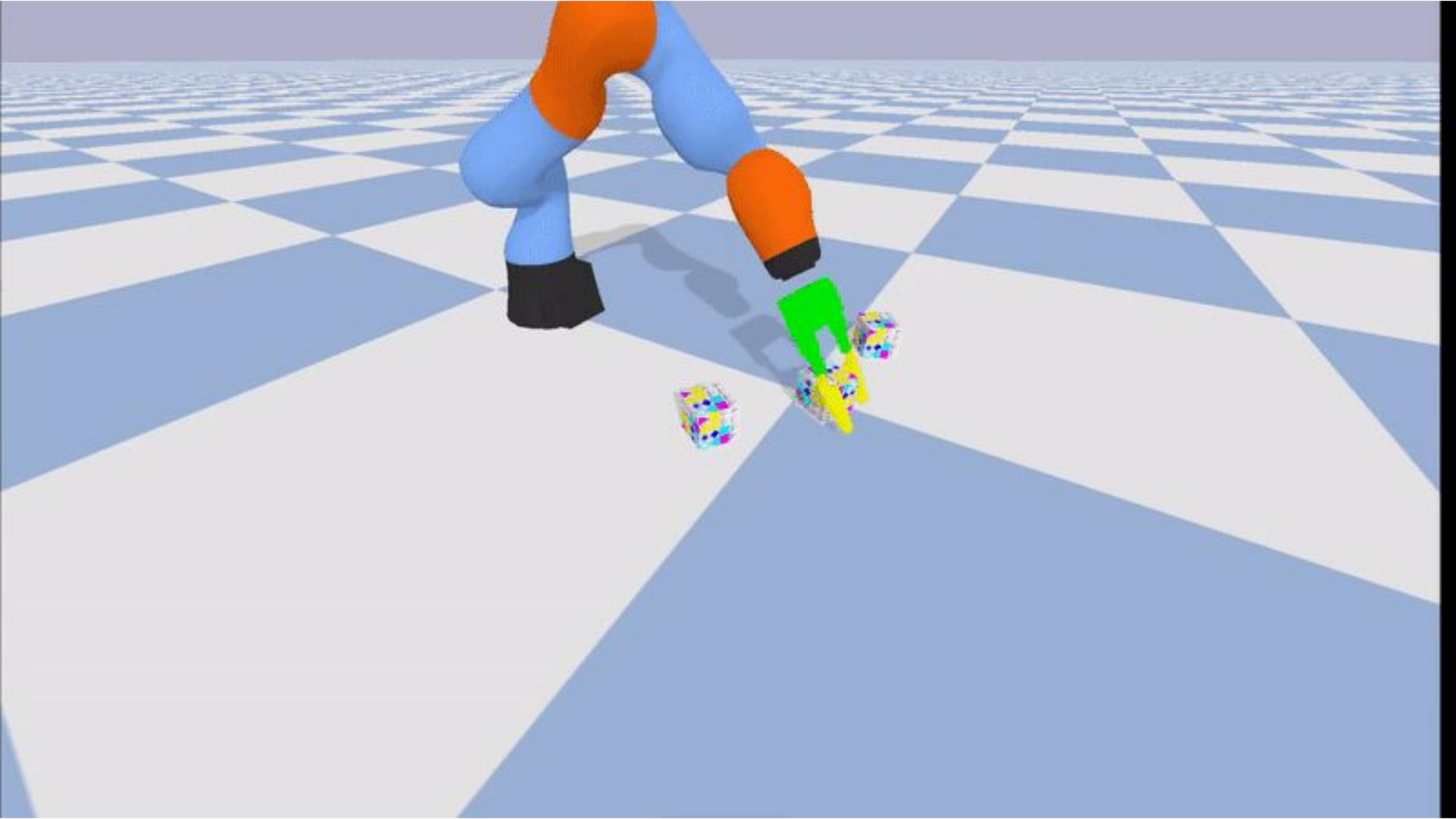
# Yesterday's robots were about control and precision



### Today's robots are about people



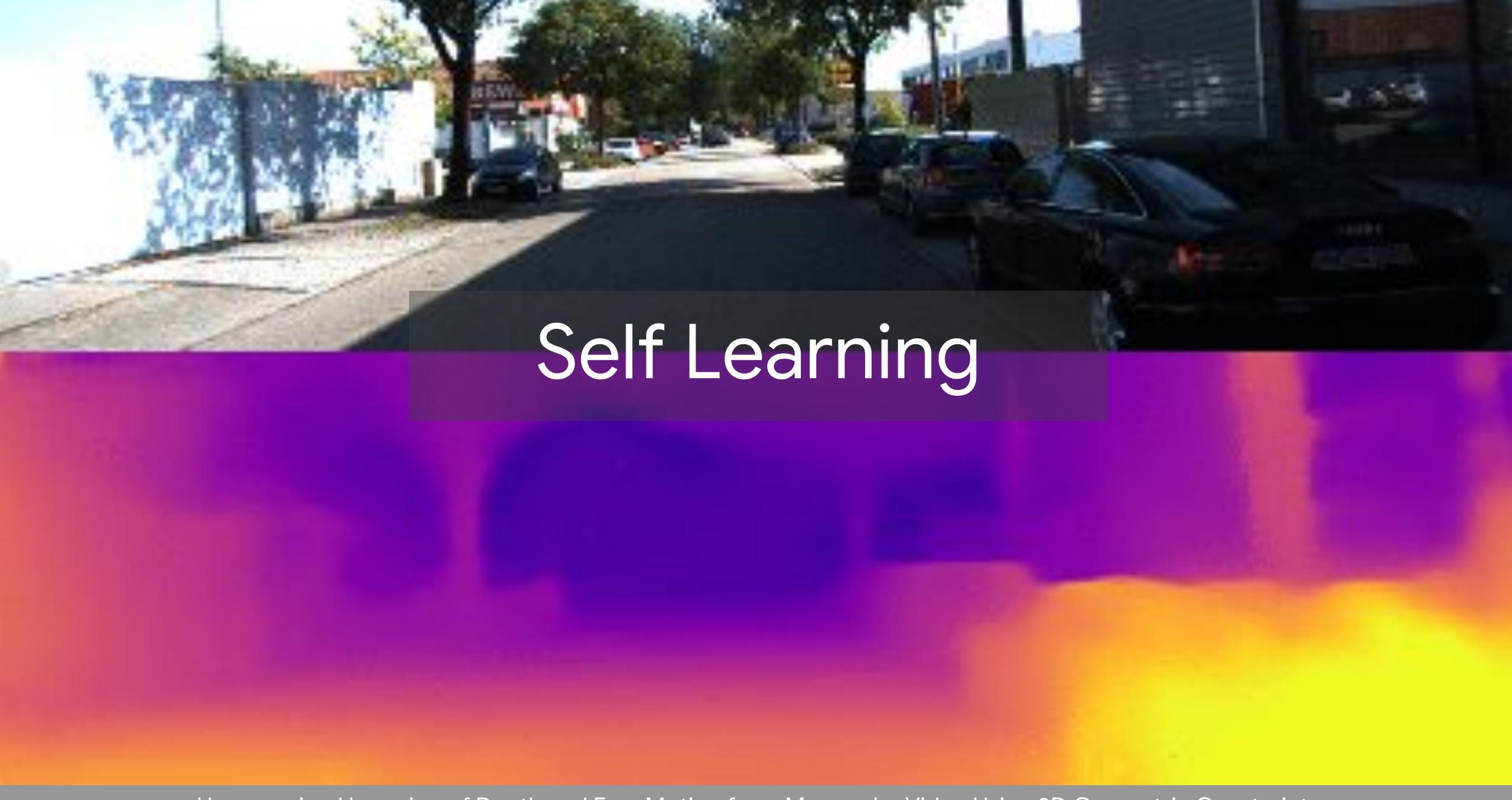




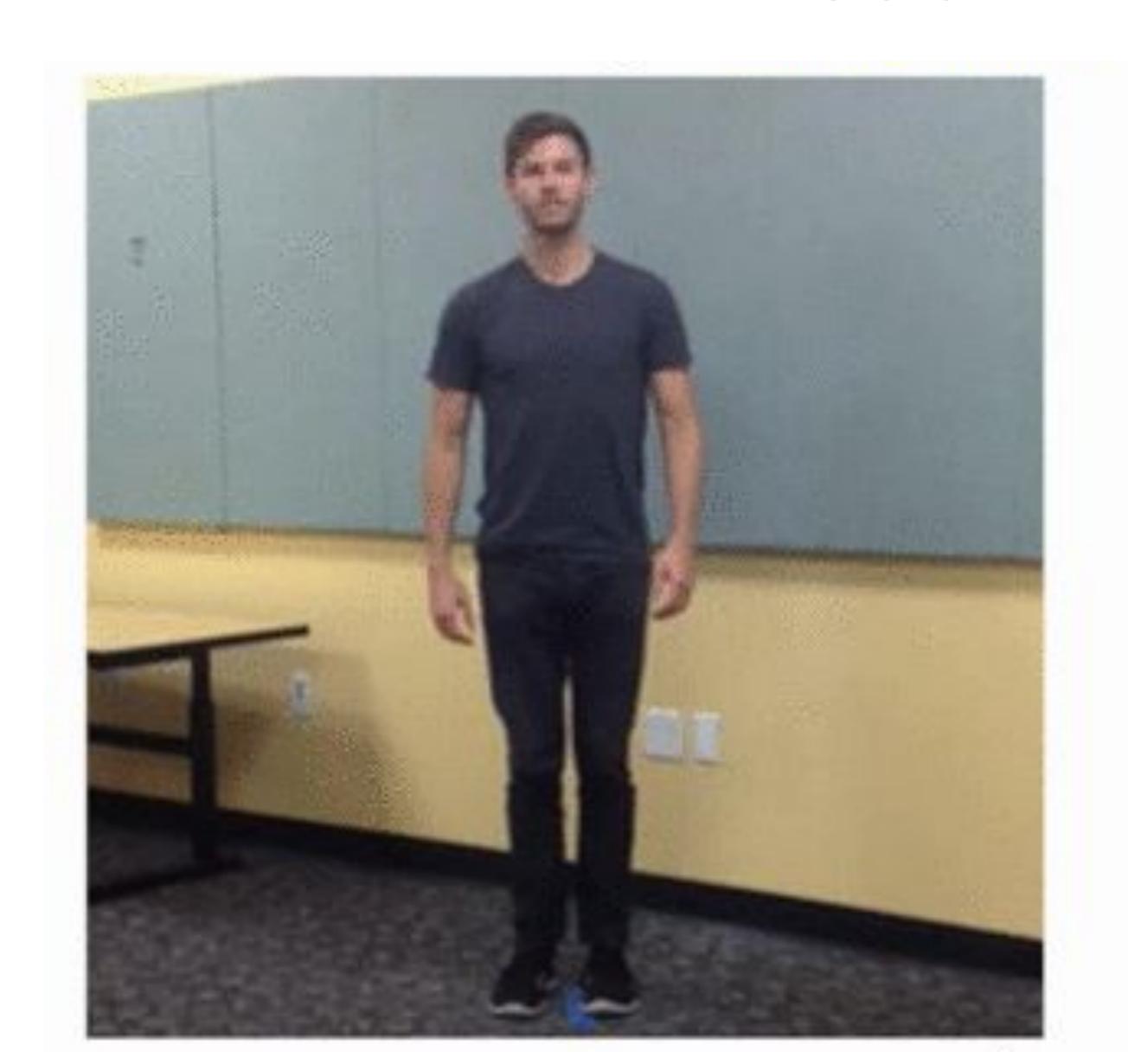


Using Simulation and Domain Adaptation to Improve Efficiency of Deep Robotic Grasping, Konstantinos Bousmalis, Alex Irpan, Paul Wohlhart, Yunfei Bai, Matthew Kelcey, Mrinal Kalakrishnan, Laura Downs, Julian Ibarz, Peter Pastor, Kurt Konolige, Sergey Levine, Vincent Vanhoucke





#### Visual Imitation





You see me pour

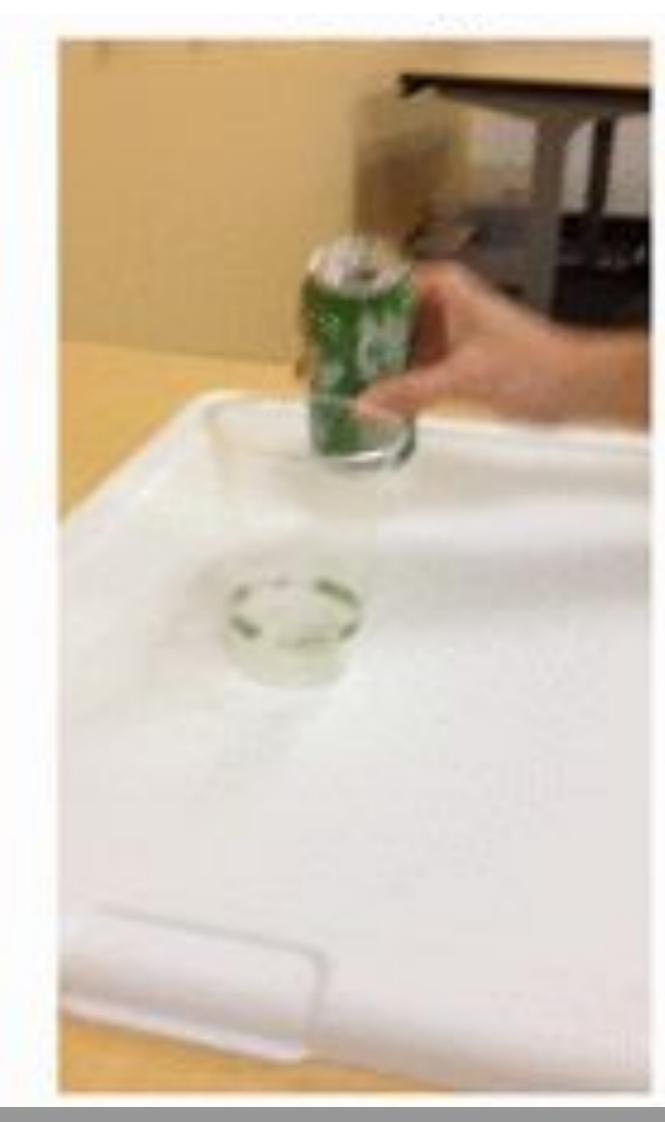




# I picture myself pouring



#### Visual Imitation



## Learning robots

More information <a href="mailto:q.co/brain/robotics">q.co/brain/robotics</a>