

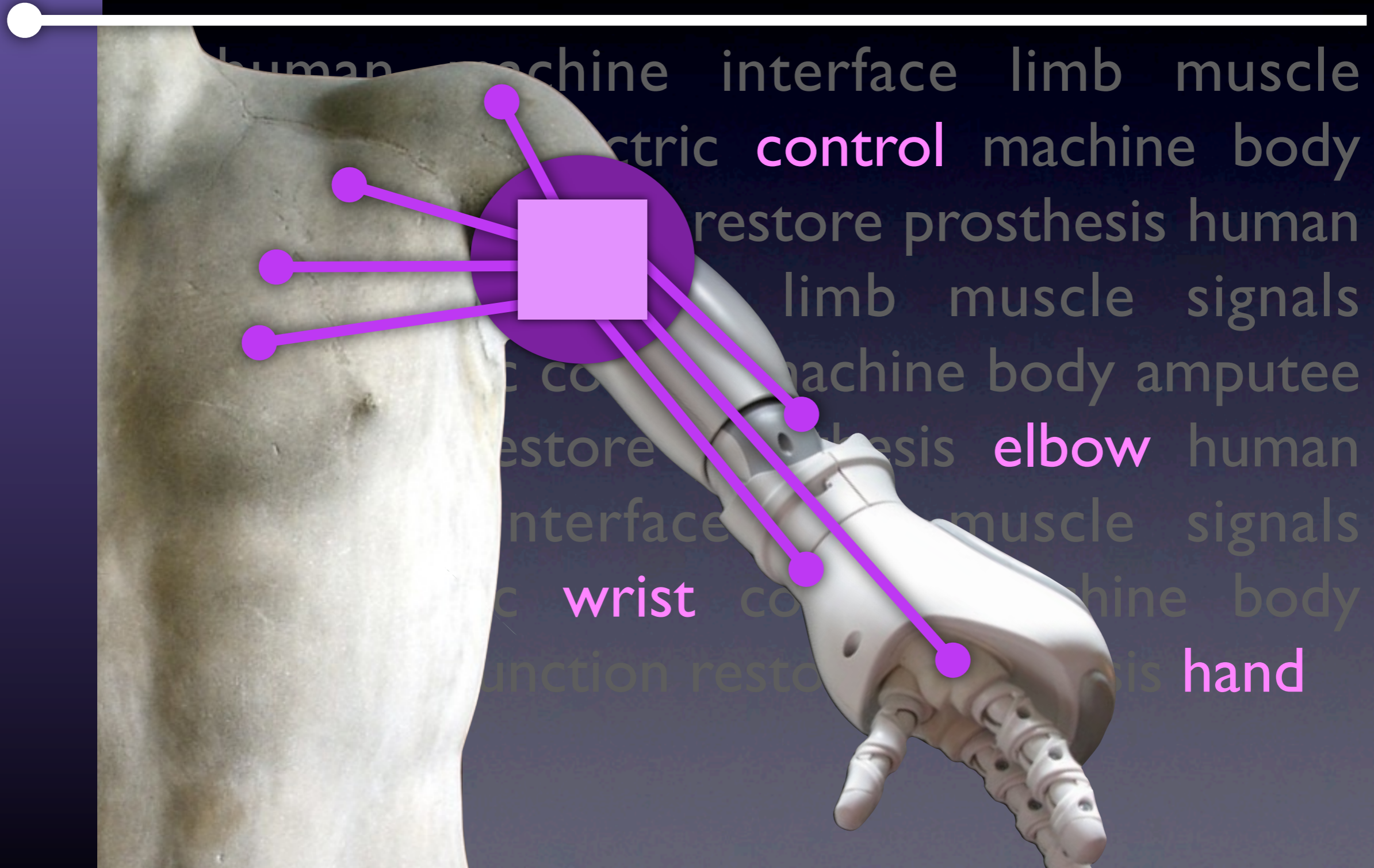
towards

INTELLIGENT ARTIFICIAL LIMBS

and other miraculous
thinking machines

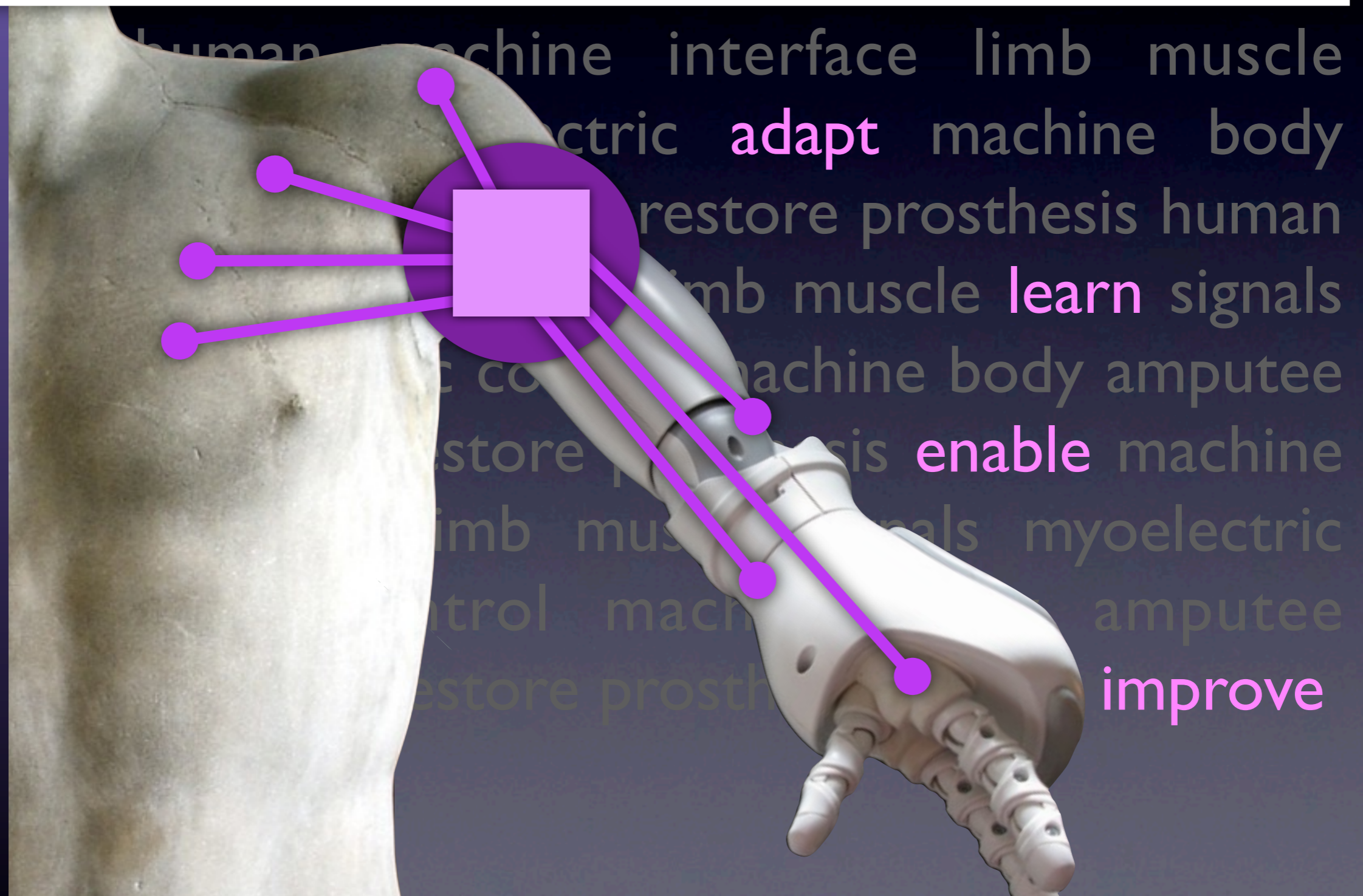
Patrick
PILARSKI

ARTIFICIAL LIMBS



human machine interface limb muscle
electric control machine body
restore prosthesis human
limb muscle signals
machine body amputee
restore prosthesis elbow human
interface muscle signals
wrist control machine body
function restore prosthesis hand

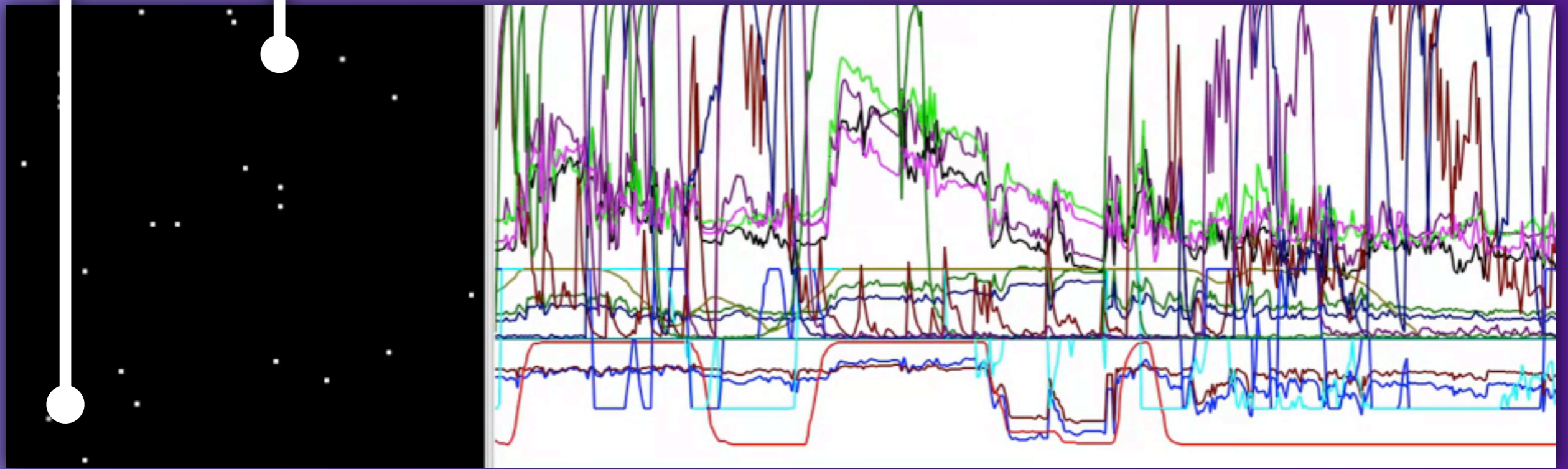
INTELLIGENT ARTIFICIAL LIMBS



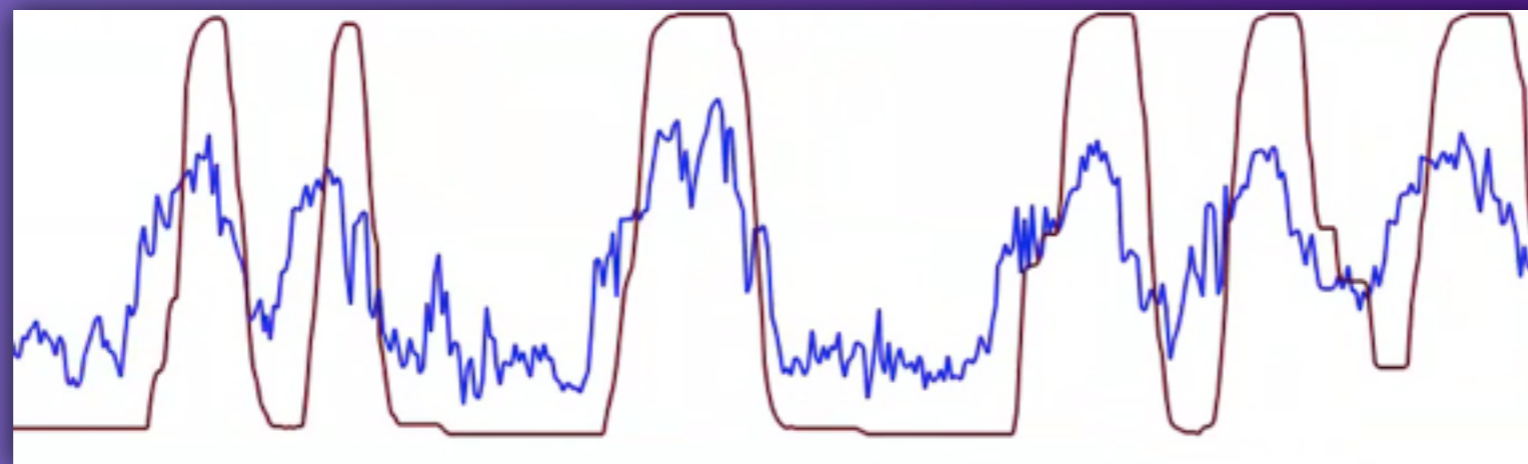
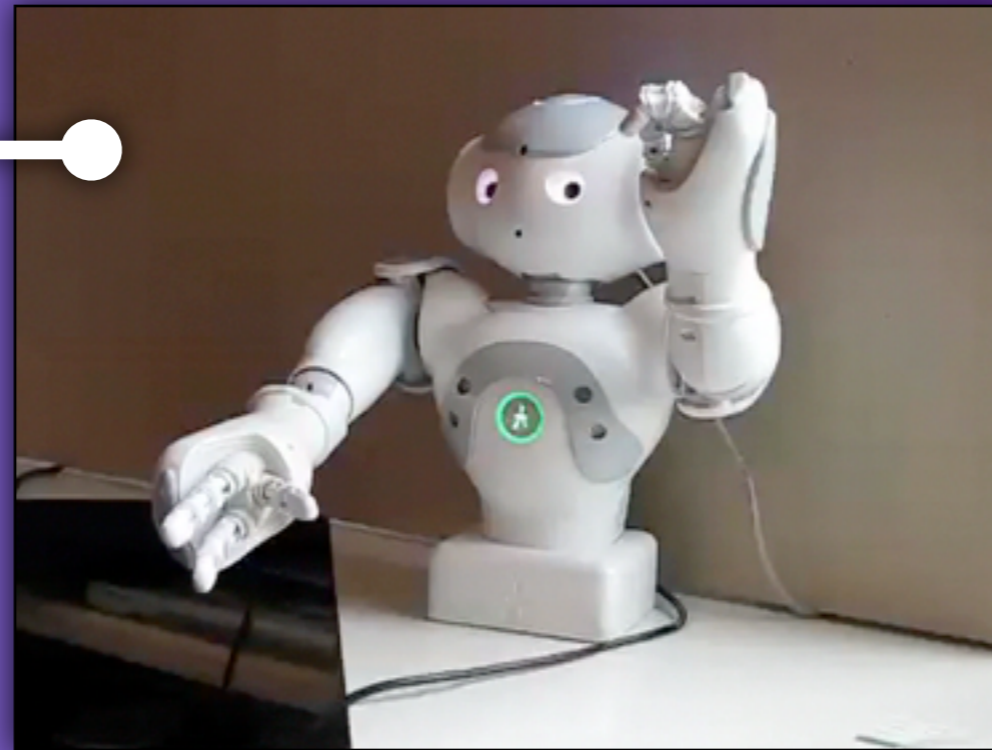
human machine interface limb muscle
electric adapt machine body
restore prosthesis human
limb muscle learn signals
machine body amputee
store prosthesis enable machine
limb muscle signals myoelectric
control machine amputee
restore prosth

improve

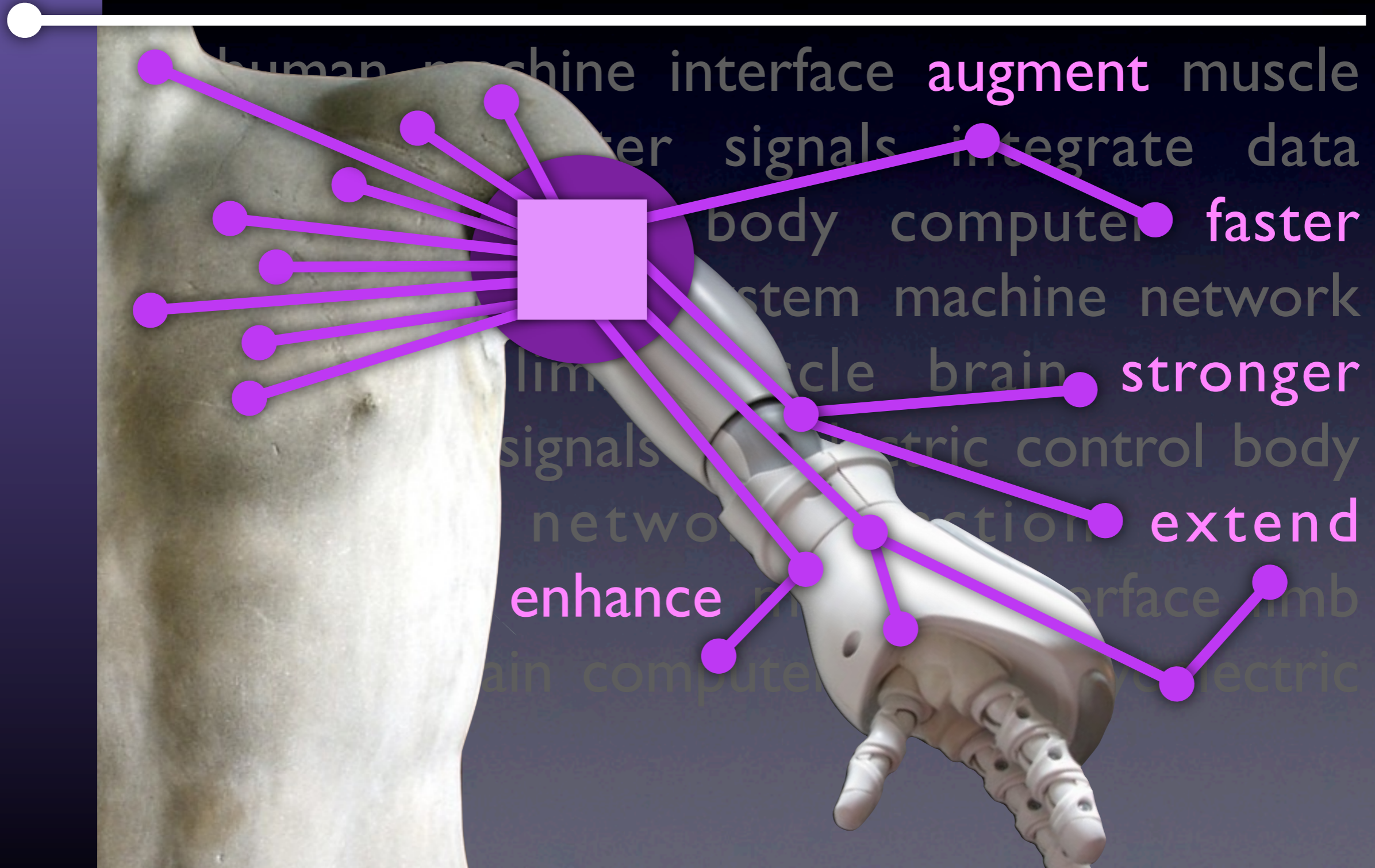
THROUGH THE EYES OF A ROBOT



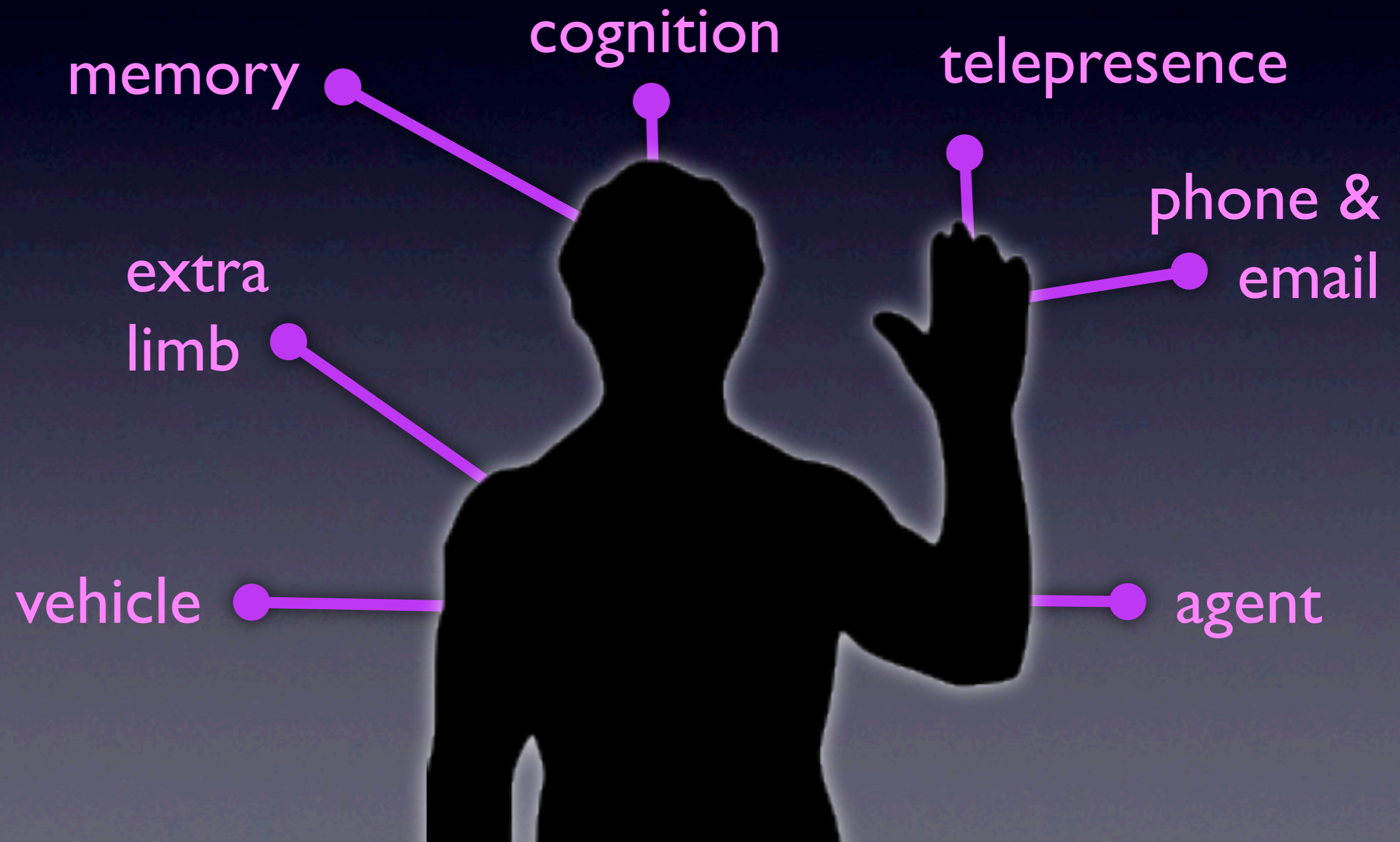
PREDICTIONS & KNOWLEDGE



TOMORROW'S ASSISTIVE DEVICES



... AND OTHER THINKING MACHINES



MARVELLOUS HUMANS

Richard Sutton : Michael Rory Dawson : Jason
Carey : Jacqueline Hebert : K. Ming Chan : Thomas
Degris : Joseph Modayil : Adam White : **Alberta**
Innovates Centre for Machine Learning : Alberta
Innovates Technology Futures : Glenrose
Rehabilitation Hospital Foundation : Natural
Sciences and Engineering Research Council :
Collaborators in Edmonton and Beyond .



MARVELLOUS HUMANS

