
Human-Robot Relations

<https://www.youtube.com/watch?v=h1E-FlguwGw>

Mumm & Mutlu

Physical and psychological distancing

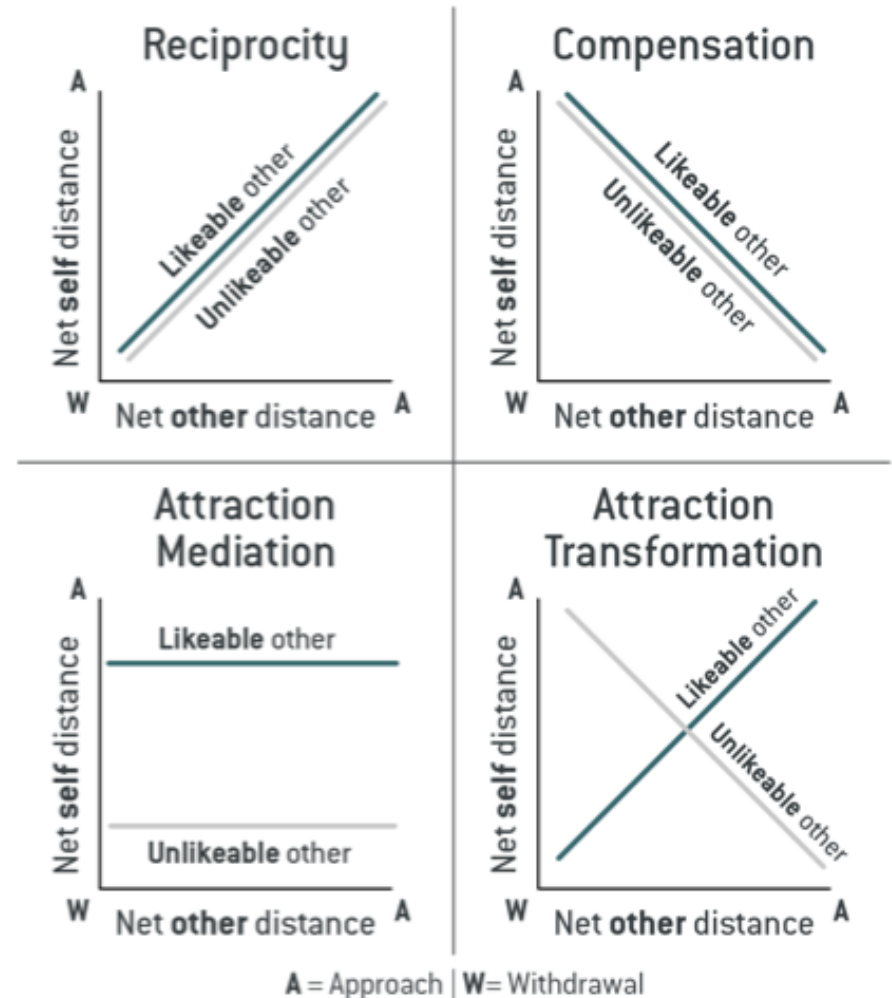
Reciprocity

Compensation/equilibrium

Attraction-mediation

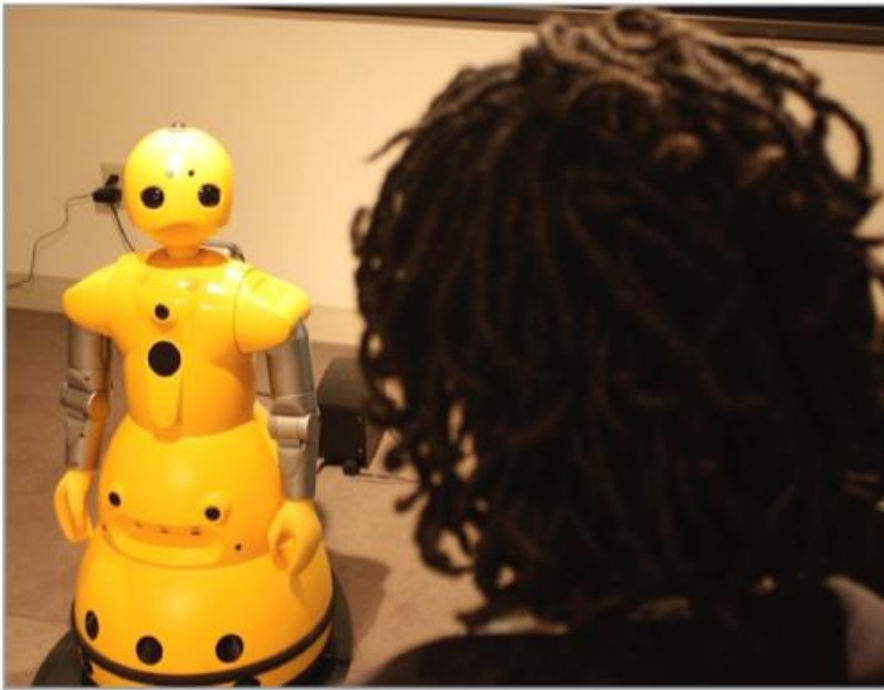
Attraction-transformation

More on proxemics during Vázquez lecture...



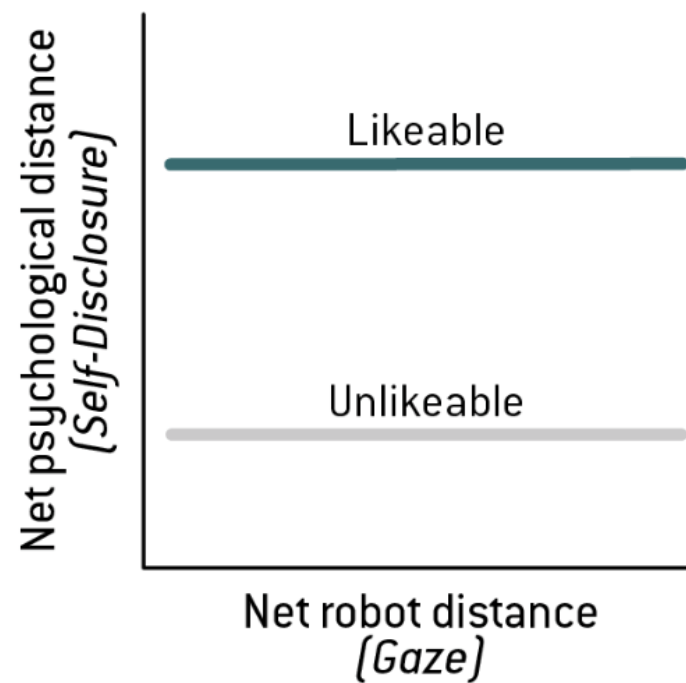
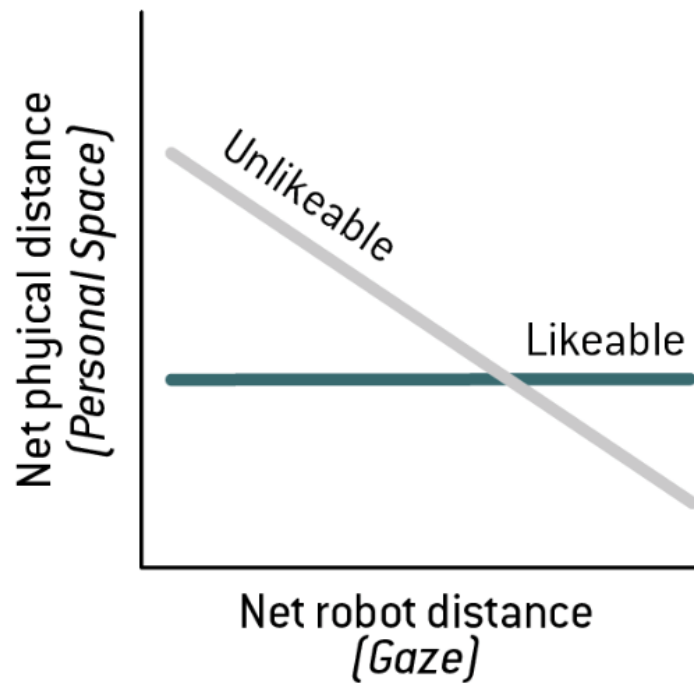
Mumm & Mutlu

Gender effects: males reacted to robot gaze



Mumm & Mutlu

Robot likeability matters



The SantaBot Experiment

A Pilot Study of Human-Robot Interaction

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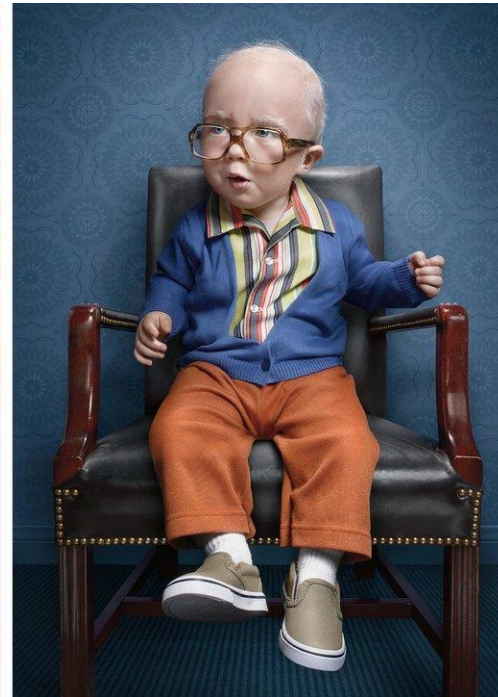


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Sparrow: March of the Robot Dogs

<http://www.nytimes.com/2014/10/26/magazine/what-if-age-is-nothing-but-a-mind-set.html>



Sparrow: March of the Robot Dogs

Embodiment of ...

A memory of a prior relationship

A vision of what it should be like



Robot and Frank

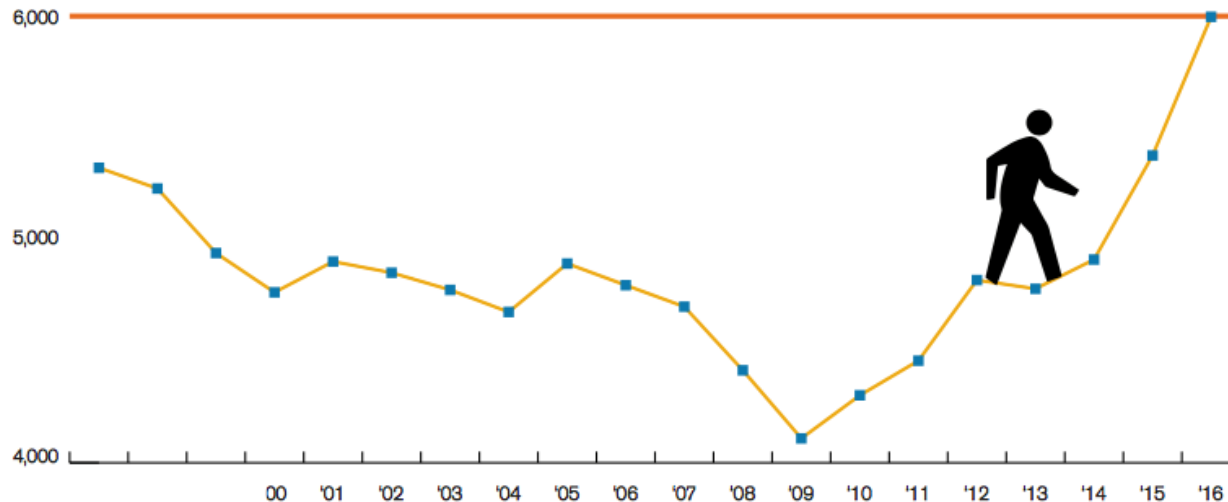


Humans

Sparrow: March of the Robot Dogs

Behavior drift

2016 could be the first year in more than two decades with **6,000*** pedestrian deaths.



*2016 estimate based on preliminary data

Source: GHSA http://www.ghsa.org/sites/default/files/2017-03/2017ped_FINAL.pdf

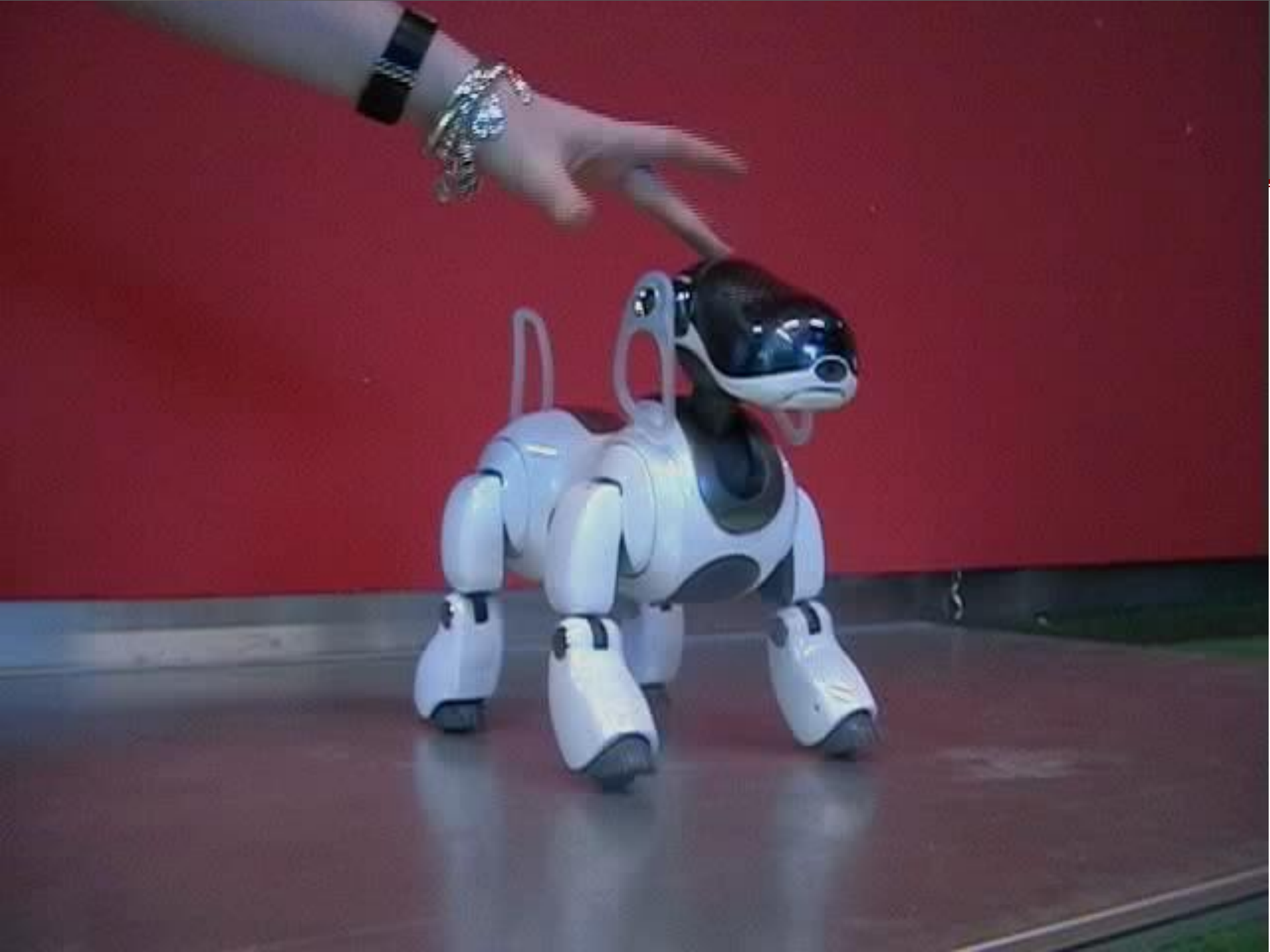
Sparrow: March of the Robot Dogs

Experience Machine

Reality versus Artifice

Deception, awareness

Accepted suspension of disbelief: movies



Sparrow: March of the Robot Dogs

Existential considerations...

Shared experiences

Authentic choice

Euthanasia

Group Design Challenge

Robot in a Cage

Design the form and interaction story for a robot that lives in a cage, in a six to eight year-old's bedroom:

1. What does it look like?
2. How does it interact?
3. What are its positive impacts on the child/owner/caregiver?

Then we vote!

Next Three Classes

Education

Jenn Cross

Non-verbal Communication of Robot States

Kim Baraka

CEO of Me, Inc.

Illah Nourbakhsh