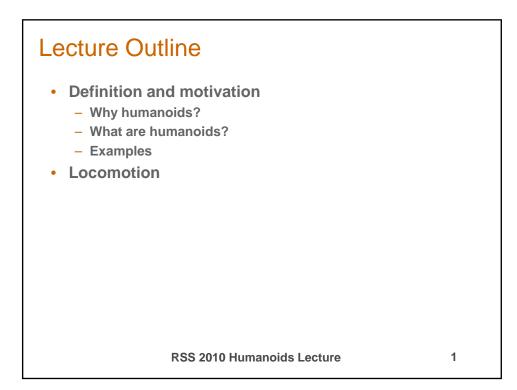
Humanoids

RSS 2010 Lecture # 19 Una-May O'Reilly



Why humanoids?



Capek, Paris Production, 1924



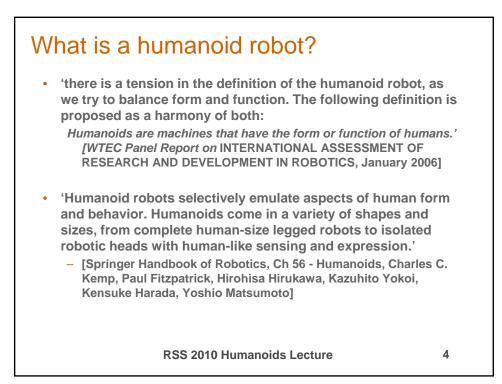
I Robot, Asimov, 2004 Movie w/ Will Smith

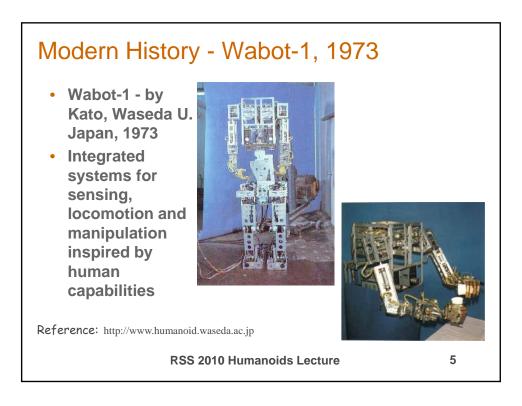
2

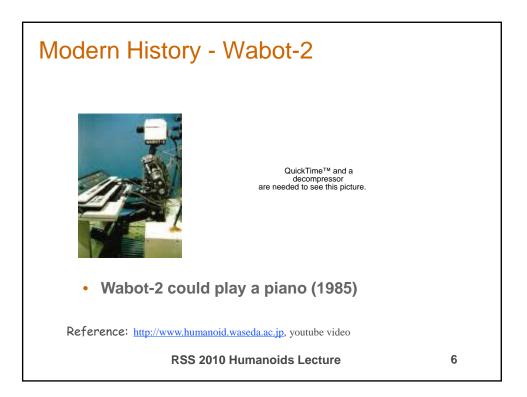
Examples: servants, entertainers, test-beds for theories from neuroscience and experimental psychology

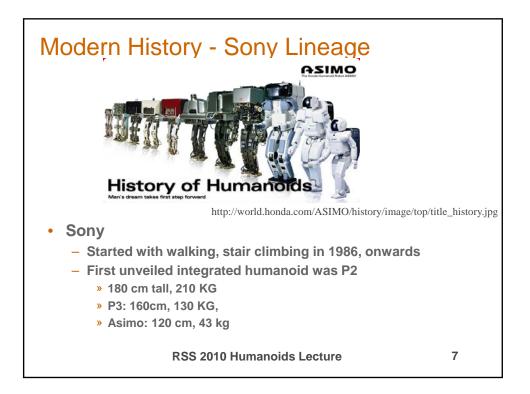
RSS 2010 Humanoids Lecture

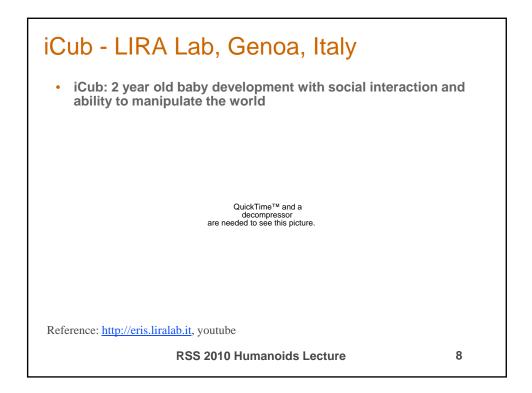
Why humanoids?
The urge to create a robot with versatility and skill comparable to humans
Including physical and/or intellectual mechanisms
Danger of being too literal in equivalence!
Narcissism: 'humans are humanity's favorite subject' [Springer Handbook of Robotics, Ch 56 - Humanoids, Kemp et al]...why?
We're social, attuned to human characteristics
Entertainment, culture, surrogates
Understanding intelligence
Interfacing with the human world

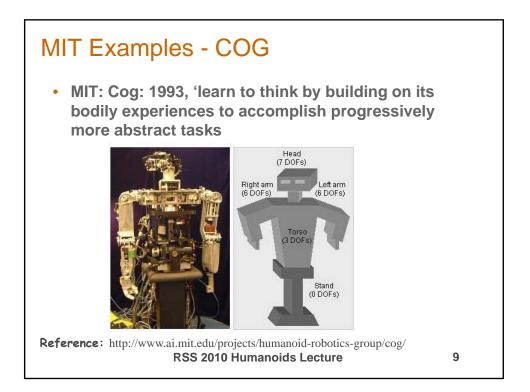


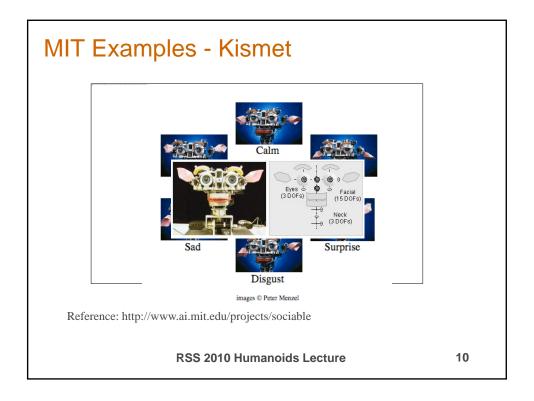


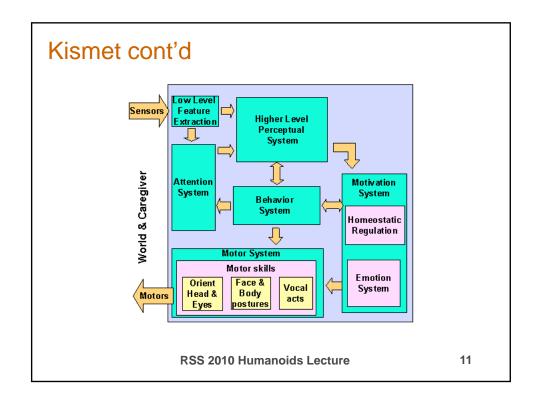


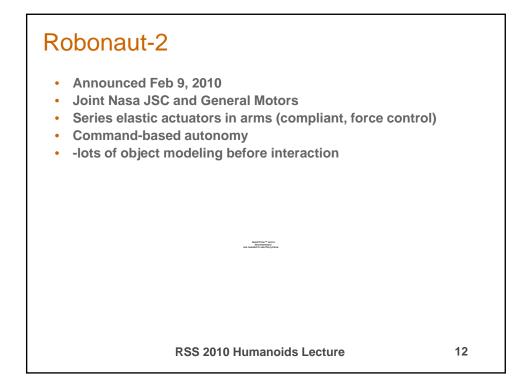


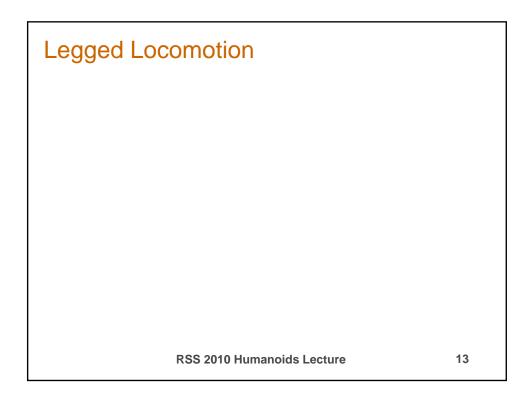


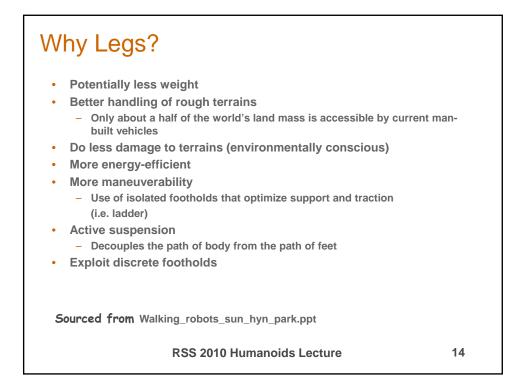


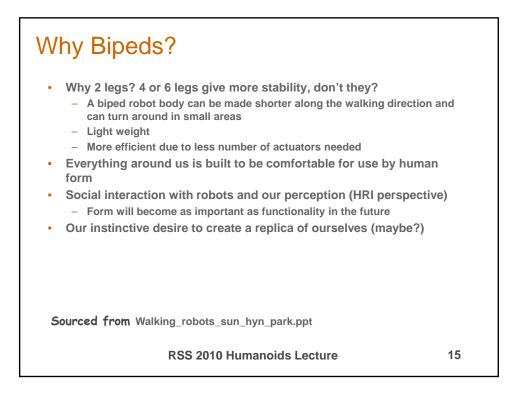


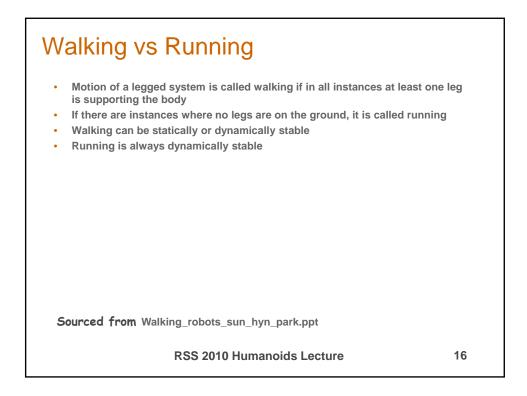


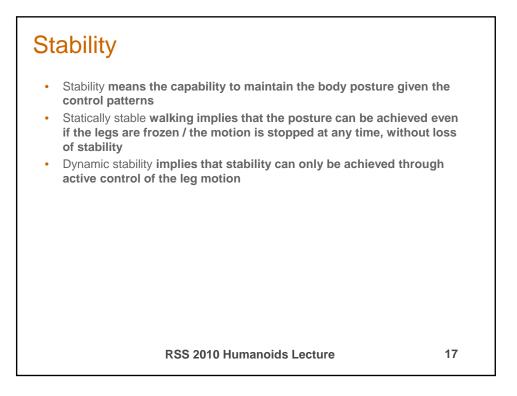


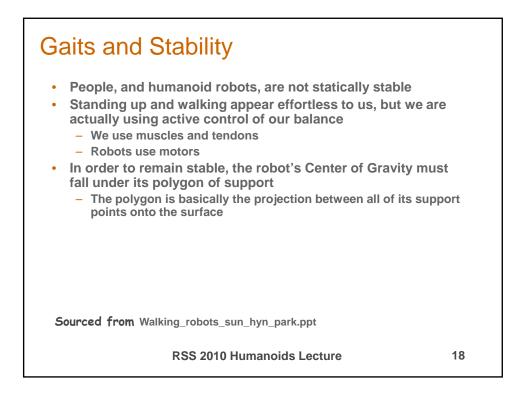


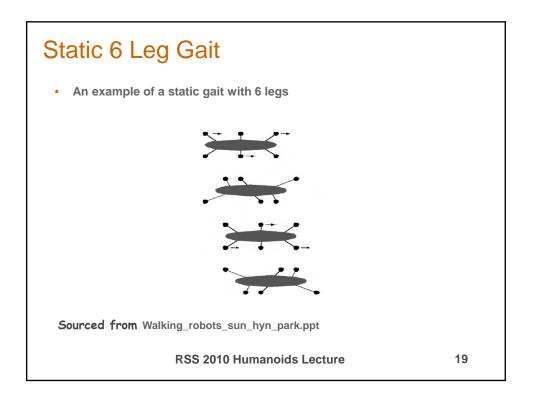


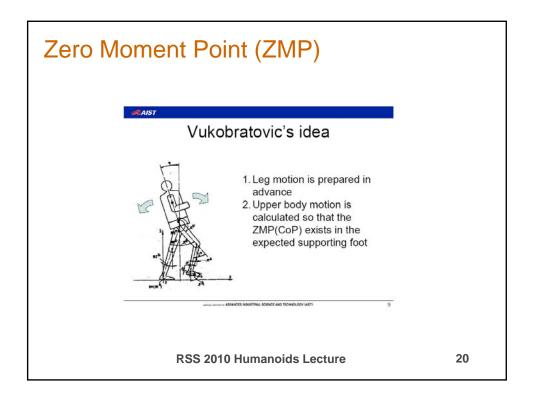


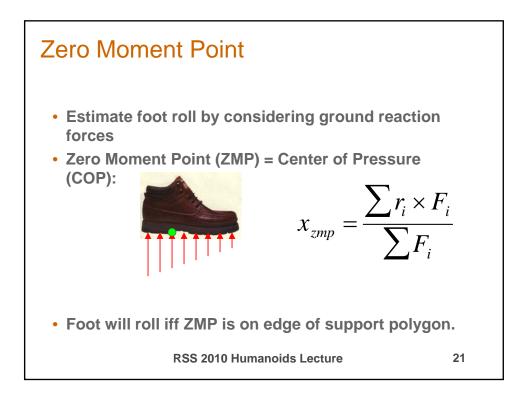


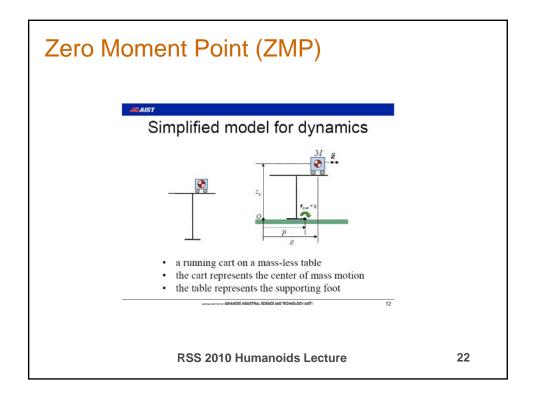


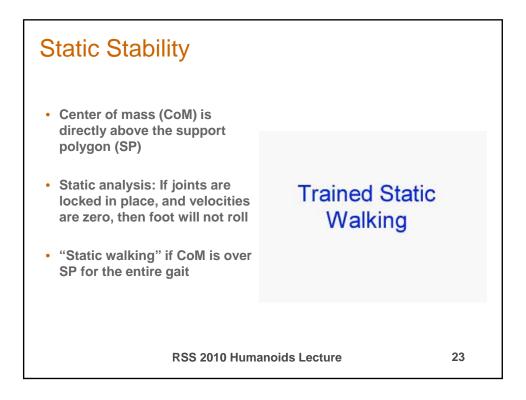












Honda's Dynamic Stability Controller

