A brief (and somewhat sparse) history of robotics

91.450 Lecture 1

Prof. Yanco
Grey Walter’s Tortoises, 1950

BRISTOL’S
ROBOT
TORTOISES
HAVE MINDS
OF THEIR OWN
Stanford Cart, 1970
GA Tech @ AAAI, 1995
Toco, MIT Media Lab, 1998

Grounded Language Learning

Perceptual Computing Group
MIT Media Laboratory, 1998

Long version with narration
(5 minutes 3 seconds plus appendices)
Minerva, CMU, 1998

On-line August 24 to September 5

In the Smithsonian Institution’s National Museum of American History and ON THIS WEB SITE!
Cog, 1995-2000

The Cog Project
Imitating Head Nods

Brian Scassellati
MIT Artificial Intelligence Lab

Sawing

- One oscillator - 4 joints
Kismet, MIT, 2000
ASIMO, 2000
David Hanson’s robots, early 2000s
NurseBot, 2001

Nursebot Pearl
Assisting Nursing Home Residents

Longwood, Oakdale, May 2001
CMU/Pitt/Mich Nursebot Project
Necoro Cat, 2001
Urban Search and Rescue, 2001
WTC Response, 2001
Roomba, 2002
GRACE, 2002
GRACE, 2002
RoboCup Legged League 2003
Whegs, Case Western Reserve University, 2004
Haile, Georgia Tech, 2005
Packbot, iRobot, 2005

iRobot PackBot B-Roll
iRobot PackBot EOD
(Explosive Ordnance Disposal)
iRobot PackBot Explorer

Duration: 06:15
DARPA Grand Challenge 2005
AIBO Playground, Sony CSL Paris, 2006
Naval Research Labs, 2007
Keepon, NICT (Japan), 2007
DARPA Urban Challenge 2007
DARPA Robotics Challenge 2013