A brief (and somewhat sparse) history of robotics

91.548 Lecture 1
Prof. Yanco
Grey Walter’s Tortoises, 1950

BRISTOL’S ROBOT TORTOISES HAVE MINDS OF THEIR OWN
Shakey, SRI 1960s
Stanford Cart, 1970
GA Tech @ AAAI, 1995
Navlab, CMU, 1997
Toco, MIT Media Lab, 1998
Minerva, CMU, 1998

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

Kismet

Cynthia Breazeal
Brian Scassellati

MIT Artificial Intelligence Lab
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
Roball, U. de Sherbrooke, 2002
GRACE, 2002
GRACE, 2002
RoboCup Legged League 2003
VGTV-Extreme, NASA Training, 2004

VGTV-Xtreme at Aquarius
www.asrobotics.com
Little Dog, Boston Dynamics, 2004
Whegs, Case Western Reserve University,
2004
Military robots, 2005
Packbot, iRobot, 2005
DARPA Grand Challenge 2005
Big Dog, Boston Dynamics, 2006
AIBO Playground, Sony CSL Paris, 2006

A curiosity-driven robot
Keepon, NICT (Japan), 2007
DARPA Urban Challenge 2007
DARPA Robotics Challenge 2013