

Future Open Discussion Topics

1. Internet of Things (IoT & Industrial IoT)
2. Will Robots Take Away Our Jobs?
3. Interesting Robot Sensor Technologies
4. Robot Mobility Systems (novel locomotion)
5. Virtual Reality (VR) & Augmented Reality (AR)
6. Medical Assistance/Diagnosis by Computers
7. Robot Elder Care/Companions
8. Other Topic Suggestions?



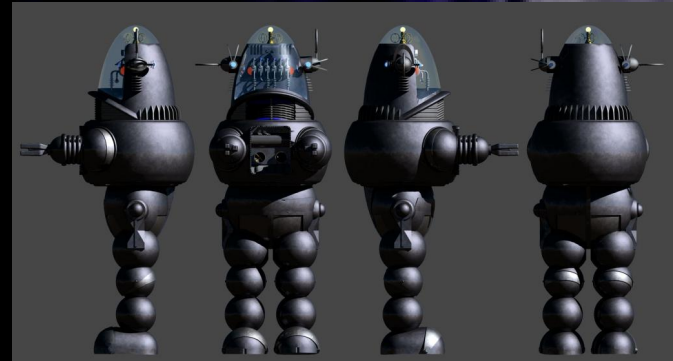
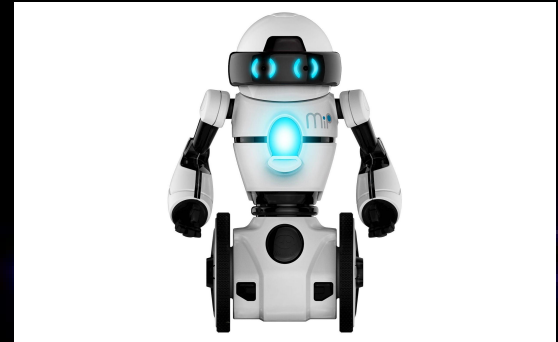


“Why Have Robot in Our Lives?”

Facilitated Discussion led by Steve Kaehler



TelepresenceRobots.com





Why Do We Have Robots in Our Lives?



Why Do We Have Robots in Our Lives?



Things that robots can do now:

- A. Entertains & Amuses (dance, sing, tell jokes, etc.)
- B. Competes (games, contests)
- C. Search & Rescue
- D. Explores (undersea, outer space)
- E. Acquires Information & Data
- F. Adviser
- G. Extends our presence (telepresence)
- H. Companion & Monitor (remote health care, etc.)
- I. Educates/Teaches (use for research or as learning tools)
- J. Perform Repetitive Tasks (manufacturing, etc.)
- K. Protects (sentry, surveillance) & Defends (weapon)
- L. Engages & Frustrates (as a project)
- M. Personal Assistant





Why Do We Have Robots in Our Lives?



A. Do robots have to serve some purpose?

B. What good are robots anyway?

C. Can they replace anything in our lives?

D. Can robots replace people in some ways? How?

E. Can a robot be a good companion?

F. Why do people build robots?

G. Why would you build a robot?

H. Will robots ever be “alive” or sentient?

I. Should robots be given rights?





Why Do We Have Robots in Our Lives?



A. Why do we name robots?

B. Can robots be emotional?

C. Can they feel good, bad, happy, or sad?

D. Why do we assign them a gender?

E. Suppose robots built themselves. Is this good, bad, or..?

F. Should robots operate or be weapons?

G. Should they decide whether or not to shoot?

H. Where are they headed? Like R2D2 or C3PO?





Why Do We Have Robots in Our Lives? Videos



- A. [What do our interactions with robots say about us? \(2:33\)](#)
- B. [CHIP: The worlds first lovable robotic dog \(2:24\)](#)
- C. [Can robots be good elder caretakers? \(2:11\)](#)
- D. [Military Robots \(Boston Dynamics; 2:41\)](#)
- E. [Most Life-Like \(and Creepiest\) Robot Ever \(4:21\)](#)
- F. [Robbie the Robot - Forbidden Planet \(2:57\)](#)
- G. [Trailer for Bicentennial Man movie \(2:04\)](#)
- H. [Trailer for D.A.R.Y.L movie \(1:40\)](#)





Why Do We Have Robots in Our Lives?

Videos



- [Personal Assistance \(2:55\)](#)
- [Jibo \(3x 0:25 secs\)](#)
- [MIT Personal Robotics Group \(info\)](#)
- [Temi - A New Way to Connect \(1:12\)](#)
- [Personal Robotics Trends \(info\)](#)
- [8 Personal Assistance Robots \(info\)](#)
- [Cynthia Breazeal - The Rise of Personal Robots \(14:04\)](#)
- [Hop Lipson Builds Self-Aware Robots \(6:18\)](#)





Why Do We Have Robots in Our Lives?

Images



A. Entertainment Robots

B. Competition Robots

C. Health Care Robots

D. Military Robots

E. Science Fiction Robots

F. Search & Rescue Robots

G. Space Exploration Robots

H. Surveillance Robots

I. Telepresence Robots

J. Underwater Exploration Robots





Why Do We Have Robots in Our Lives?



Any Final Thoughts or Questions?

