

# HCI, Robots

- Human Computer Interfaces/Interaction
  - a discipline concerned with the design, evaluation and implementation of interactive computing systems for human use and with the study of major phenomena surrounding them.
- Robots everywhere?

# Designing Good Interfaces is Hard

- How do you turn off a Windows computer?

When the next slide appears immediately shout out the color you see. Ignore any words on the screen.

**BLUE**

**GREEN**

**RED**

**PURPLE**





**YELLOW**

**PURPLE**

**GREEN**

**BLUE**

The problem is sending mixed signals.

What are some other examples of difficult to use computer interfaces?

# Multi-touch



# From Scroll to Book



When you're used to paper rolls it takes some time to convert to turn the pages of a - beek.

When Jeff Han (multi-touch guy) said the interface should just “disappear” he was referring to what?

- A. A menu bar that auto-hides.
- B. A keyboard that appears just when you need it.
- C. An interface where the user doesn't think about the interface and the computer just does what the user expects.
- D. All of the A-C.
- E. None of A-C.



# Robots

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When operating in a group, the robots

- A. are being *autonomous* because they each follow their own program and are not controlled by a human.
- B. are demonstrating a *distributed* algorithm because they each operate based on local sensor information rather than a central leader.
- C. Both A and B.
- D. Neither A nor B.