Dialogue Systems Part I

The holy grail of Human-Computer Interaction (HCI)

Conversational interfaces are on the horizon of human computer interaction. It's not clear how far away this really is.

Main idea: natural language should be the *universal API* for humans to interact with computers

One set of challenges are technical in nature:
- Knowledge representation
- Language processing / understanding
- Computation

The other set of challenges have to do with how humans respond to and interact with technologies:
- The *uncanny valley*
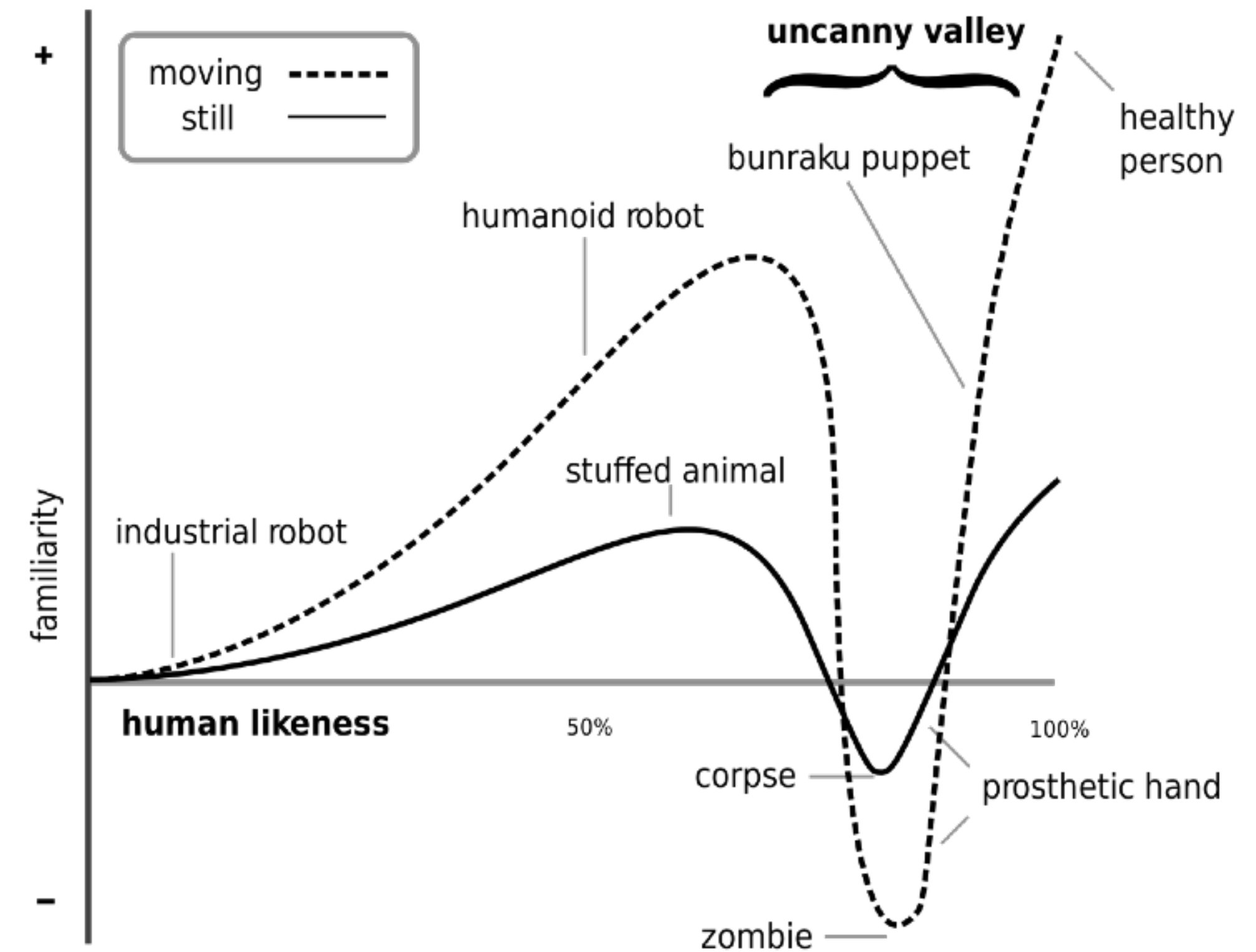- Users require incentive to interact ... this may seem trivial, it is not!

Figure taken from Wikipedia