Human-robot interaction

Human robot interaction

- Design challenges
  - Should we model emotions
    - What is their function
  - Do robots need to be aware of everything
    - Very specific function
  - Need for conveying expectations
    - Should robot aim at naturalness?
    - Uncanney valley problem
- Limitations of pipelined modules
  - Incremental model of understanding and response needed
    - Backchanneling
- Long term applications, e.g. Companion for the elderly
  - Is a physical presence better than nothing?
  - Is there a need for large amount of intelligence?