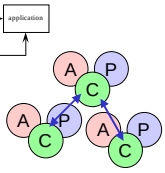
user interface architectures

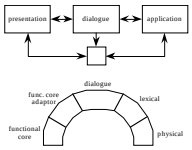
Alan Dix



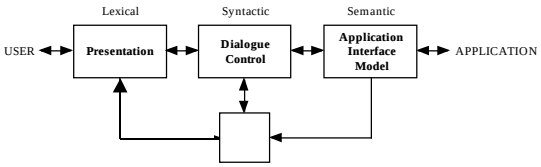
see Chapter 10 & 13
of Human Computer Interaction
www.hcibook.com

UIMS tradition
interface layers

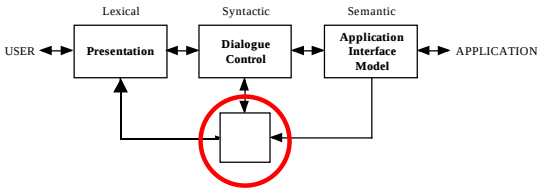
- linguistic: lexical/syntactic/semantic
- Seeheim:
- Arch/Slinky



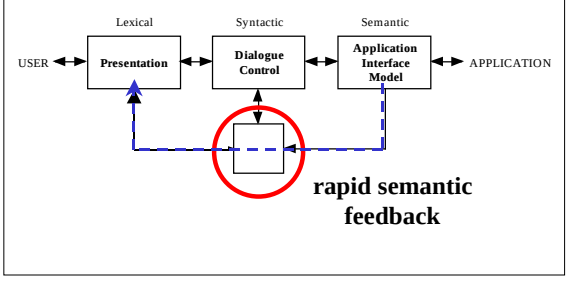
Seeheim model



what's this?

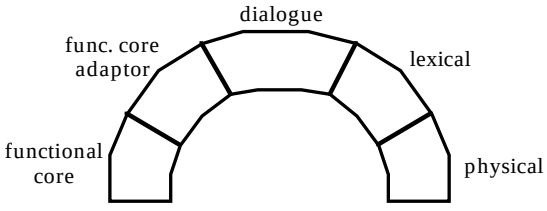


the switch

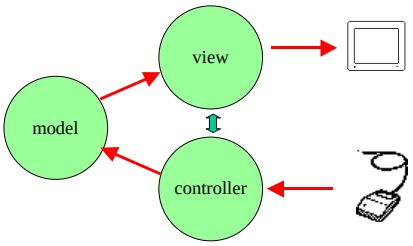


Arch/Slinky

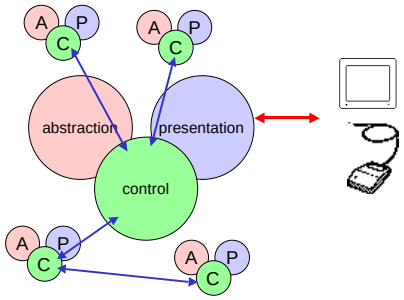
more layers!



MVC
model - view - controller

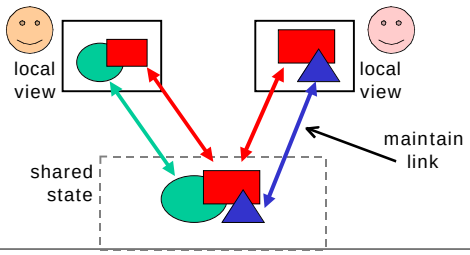


PAC
presentation - abstraction - control

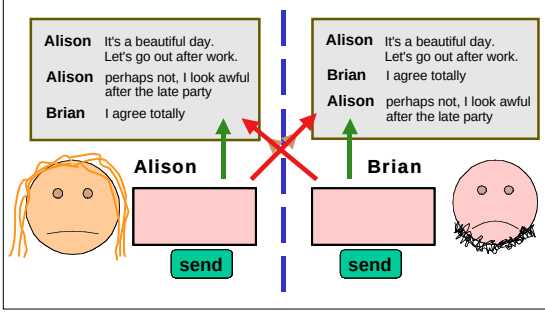


groupware & CSCW

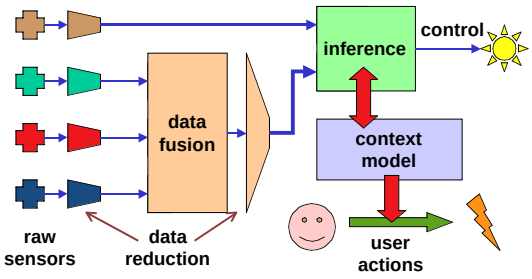
- shared state/objects – AVL, MEAD



ordering problems (race conditions)



network infrastructure support

- event and message services
  - communicating between components
- awareness and notification servers
  - what has happened?
- discovery mechanisms
  - what is there: printers, devices (e.g. Jini)

ubicomp architectures