

#### Alan Dix

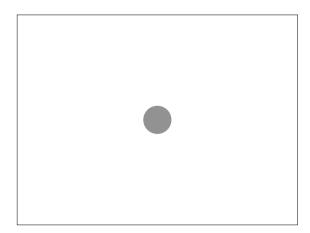
#### Lancaster University

www.hcibook.com/alan/topics/incidental



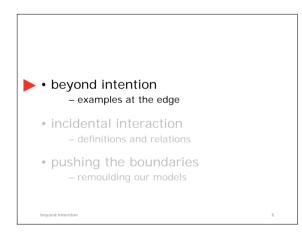
 intelligent internet interfaces open search, etc.

beyond intention



## the plan

- beyond intention – examples at the edge
- incidental interaction – definitions and relations
- pushing the boundaries
   remoulding our models





## Pepys

- Xerox Cambridge (RIP)
- active badges
- automatic diaries



Allan's *purpose* to visit Paul's office *incidentally* diary entry created



beyond intentior

# shopping cart

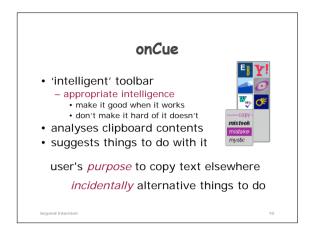
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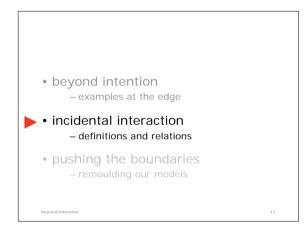
- goods in shopping cart analysed
   e.g. Amazon books
- used to build knowledge about books
   people who like X also like Y
- used to give you suggestions
  "you might like to look at ...", "special offer ..."

my *purpose* to buy a book

incidentally shown related titles

beyond intention





#### definition

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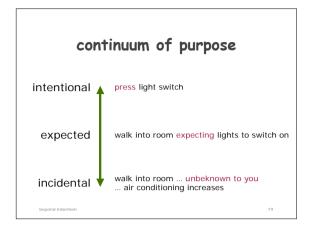
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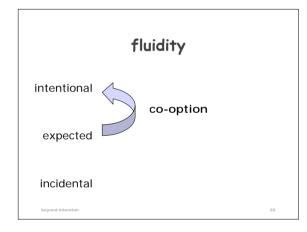
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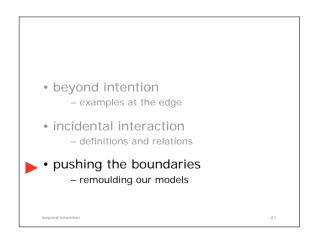
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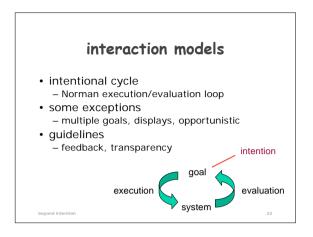
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#### task analysis

- need richer representations

   of the world, of devices, of artefacts
   wider ecological concerns
- two tasks - purposeful task - for interpretation
  - -supported task for actions

#### cognition

- · physical things (inanimate)
  - directness of effect
  - locality of effect
  - visibility of state
- computational things (also animate)
  - complex effects
  - non locality of effect
  - distance networks; time delays, memory

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– large hidden state

beyond intention

