

CSCW Issues and Theory

All computer systems have group impact

not just groupware

Ignoring this leads to the failure of systems

Look at several levels – minutiae to large scale

- face-to-face communication
- conversation
- text based communication
- group working

Face-to-face communication



- Most primitive and most subtle form of communication
- Often seen as the paradigm for computer mediated communication?

Transfer effects



- carry expectations into electronic media ...
 - ... sometimes with disastrous results
- may interpret failure as rudeness of colleague

e.g. personal space

- video may destroy mutual impression of distance
- happily the `glass wall' effect helps

Eye contact



- to convey interest and establish social presence
- video may spoil direct eye contact (see video tunnel, chap 19)
- but poor quality video better than audio only

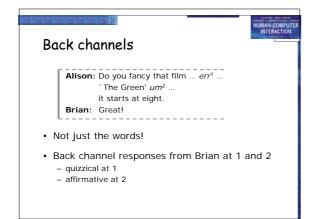
Gestures and body language

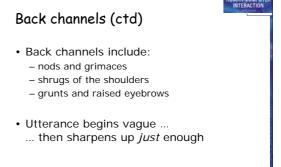


- much of our communication is through our bodies
- gesture (and eye gaze) used for deictic
- · head and shoulders video loses this

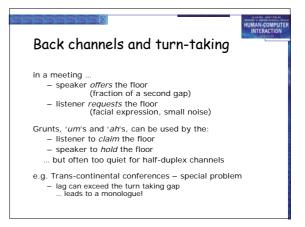
So \dots close focus for eye contact \dots

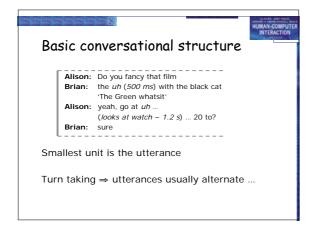
... or wide focus for body language?

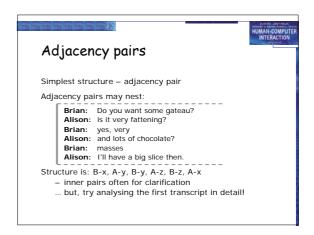


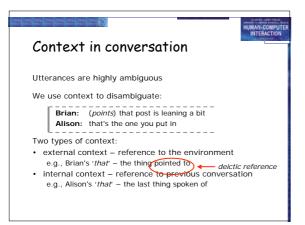


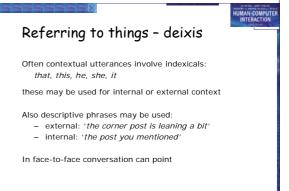
Back channels -media effects Restricting media restricts back channels video - loss of body language audio - loss of facial expression half duplex - lose most voice back-channel responses text based - nothing left!











Resolving context depends on meaning ⇒ participants must share meaning so must have shared knowledge Conversation constantly negotiates meaning ... a process called *grounding*: Alison: So, you turn right beside the river. Brian: past the pub. Alison: yeah ... Each utterance is assumed to be: relevant – furthers the current topic helpful – comprehensible to listener

