

Dix, A., Finlay, J., Abowd, G., and Beale, R. Chapter 14: CSCW and Social Issues. 463-509 in Human Computer Interaction, 2nd Edition. Prentice Hall. 1998 Clark and Brennan Grounding in Communication. Republished in R. Baecker, Readings in Groupware and Computer Supported Cooperative Work: Assisting Human-Human Collaboration. San Mateo, CA: Morgan Kaufmann, p222-234, 1992. Clark, H. (1996) Using language. Cambridge University Press. ISBN 0-521-56745-9.

Outline

Introduction
Face-to-face communication
Conversation
Grounding
Text-based communication
Group working

Introduction

• Effective communication underlies collaborative work

• Face-to-face seen as ideal

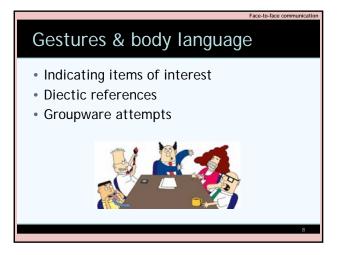
• Dealing with loss of cues

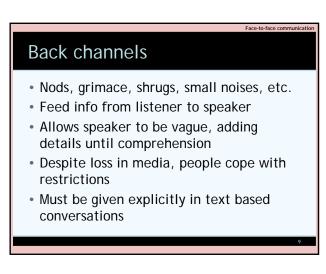
Face-to-face communication

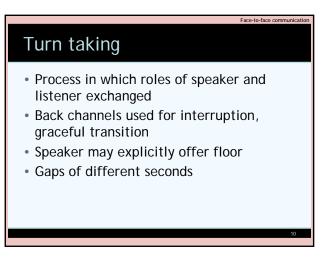
Transfer effects and personal space
Eye contact and gaze
Gestures and body language
Back channels, confirmation and interruption
Turn-taking

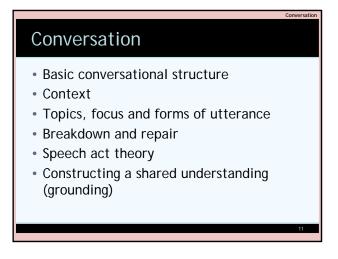


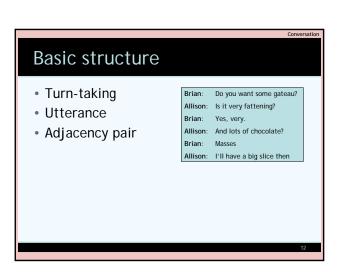


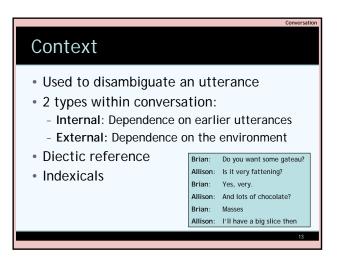


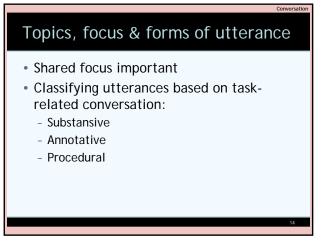












Breakdown and repair

Breakdown in conversation

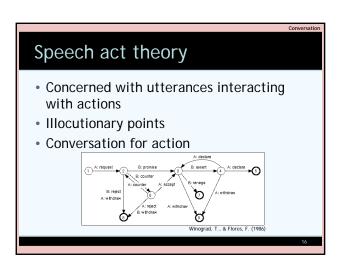
Correction after breakdown → repair

High level: Failure to maintain topic focus

Low level: Incorrectly read gestures

Deeper the breakdown, the longer it lasts, greater difficulty in recovery

Problems in electronic communications→ reduced ability to recover



Grounding
All collective actions are built on common ground
Common ground cannot be updated without grounding process
Grounding is collective process of mutual contribution and understanding
Grounding is shaped by 2 factors:

Purpose
Medium

