CAC 9	OBJECTIVES
	<ul> <li>Introduce varieties of non-verbal communication</li> </ul>
	Understand existence of relationships between different modes of communication
	Introduce 'para-language'
Non-verbal Communication	

# OUTLINE

- The "universality" of facial expression?
- · Language and gesture
- Gesture instead of language
- Posture as communication
- Para-language

# **Types of NVC**

- Gesture
- Facial expression
- · Posture / body attitude
- Para-language

## Types of NVC: by function

- Emblems: directly translate into words or phrases
- Illustrators: accompany and "illustrate" verbal messages
- Affect displays: communicate emotional meaning
- **Regulators:** coordinate, monitor, maintain,or control the speaking of another individual
- Adaptors: emitted without conscious awareness and that usually serve some kind of need (scratching etc)

DeVito, J. A., O'Rourke, S., and O'Neill, L. (2000). *Human communication*. Addison Wesley Longman.

#### **Speech-related**

- Gestures often are a part of verbal communication
  - Emphasis
  - Reference
  - Turn regulation
- Perhaps less conscious than speech

#### **Facial Expression**

 How many different facial expressions of emotion can you think of?

## **The Universality Assumption**

"Happiness, surprise, fear, anger, contempt, disgust, and sadness—these seven emotions, plus or minus two, are recognized from facial expressions by all human beings, regardless of their cultural background."

Russell, J.A. (1995) Is There Universal Recognition of Emotion From Facial Expression? A Review of the Cross-Cultural Studies, Psychological Bulletin (114)1:102-141

"the universality of facial expressions of emotion is no longer debated in psychology"

Matsumoto, D. (1990) Cultural similarities and differences in display rules. Motivation and Emotion (14):195



	happy	surprise	sadness	fear	disgust	anger
American	97.0	91.0	73.0	88.0	82.0	69.0
Swedish	96.5	81.0	74.5	67.0	84.5	81.5
Greek	93.5	80.2	54.3	67.8	87.5	80.0
Chinese	92.0	91.0	91.0	84.0	65.0	73.0
Japanese	93.8	79.2	66.8	58.2	55.8	56.8
Ethiopian	86.8	50.5	52.0	58.5	54.8	37.3

#### Accuracy of recognition

## Gender / culture effects?

- Americans are more accurate than the Japanese at recognizing four of the six emotions, regardless of the culture or gender of the poser being judged.
- Neither the culture nor gender of the poser affected Americans' judgments of the photos, whereas females were more easily identified than males by the Japanese
- The Americans and Japanese agreed that happiness was the easiest to identify and that fear the hardest.

David Matsumoto (1992) "American-Japanese Cultural Differences In The Recognition Of Universal Facial Expressions" Journal Of Cross-Cultural Psychology



#### **Eye movements**

Probably universal as they are thought to relate to cognitive processes in the brain and people's brains function in pretty much the same way.

- Up & left remembering past experience and processing emotions emotion
- Left remembering a sound
- Up general info processing/thinking
- Up & right remember recent occurrences and making logical assessments

## **Cultural variation**

Theoretical causes of cultural variation:

- some gestures/facial expressions are 'cultural' some more universal
- · norms which may inhibit, mask, exaggerate?
- cultural influences on causes of emotion



Romeo and Juliet

ACT I. SCENE I. Verona. A public place.

SAMPSON: May, as they dare. I will bite my thumb at them; which is a disgrace to them, if they bear it.

Enter ABRAHAM and BALTHASAR

ABRAHAM: Do you bite your thumb at us, sir?

SAMPSON: I do bite my thumh, sir.

ABRAHAM: Do you bite your thumb at us, sir?





# Kita and Özyürek

"In Turkish and Japanese, there is no readily accessible expression that semantically encodes agentive change of location with an arc trajectory. There is no verb that corresponds to the English intransitive verb "to swing" as in "the cat swings across the street"

What does cross-linguistic variation in semantic coordination of speech and gesture reveal?: Evidence for an interface representation of spatial thinking and speaking. Jnl of Memory and Language, 2003

## **Results**

- "Biru kara biru e"
- "Kotori no ho o megakete ikun desu"
- "Tobi utsuro to shita"
  - Japanese speakers produced more gestures (than English speakers), and more purely lateral gestures not encoding the arcing movement.



A manual of gesture : embracing a complete system of notation, together with the principles of interpretation and selections for practice – Albert BACON, 1872









# **Unexpected effects...**

"In one Bolivian language [...] **nasalization** carries an honorific or a super-polite function,whereby individuals of a lower socioeconomic status address those of higher ranks with a prominence of nasalization for all vowels in the utterance. **Labialization**, found in French, German, and Scandinavian languages, occurs in English only with baby talk. Loveday has also noted that **velarization**, a characteristic of Liverpool English, is a sign of masculinity in some Arab languages."

Pennycook, A. (1985). Actions speak louder than words: Paralanguage, communication, and education. TESOL Quarterly, 19(2):259-282.

#### **Next Week**

- Chronemics: how we think about and use 'time'
- **To read**: Cultural Diversity in People's Understanding and Uses of Time BRISLIN and KIM, 2003