

Ulrike Zeshan

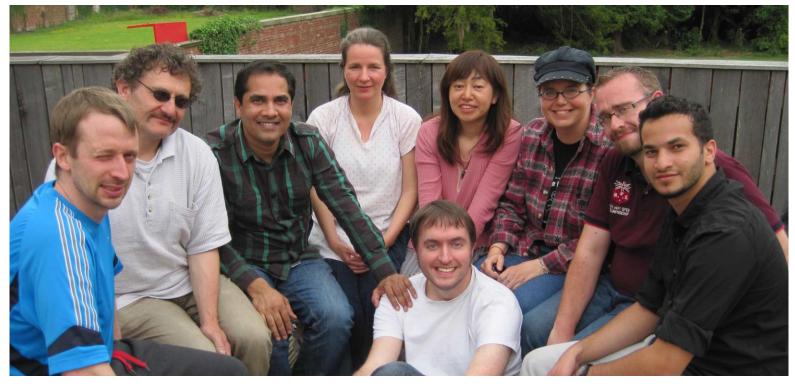
International Institute for Sign Languages and Deaf Studies

University of Central Lancashire, Preston, UK





The iSLanDS Institute



UK UK India Germany UK Japan USA UK Jordan

"Academic excellence and community empowerment"



Topics of the presentation

- "Cross-signing" transnational sign language contact (Jordan – Japan – Indonesia – UK)
- "Sign-switching" sign bilinguals (Burundi India and Germany-Turkey)





"Cross-signing": Transnational sign language contact

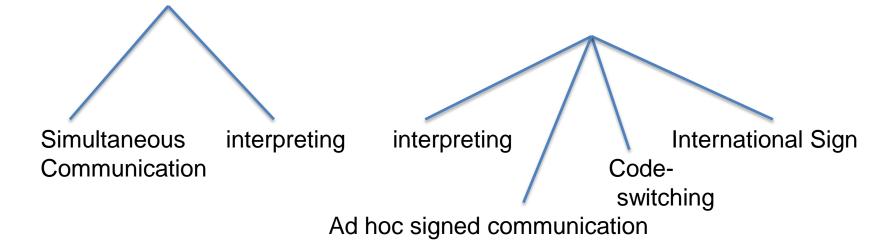


"Multilingual behaviours in sign language users" (ERC project)

Contact between signed and spoken language "bimodal bi-/multilingualism"

Contact between two or more signed languages

"unimodal bi-/multilingualism"





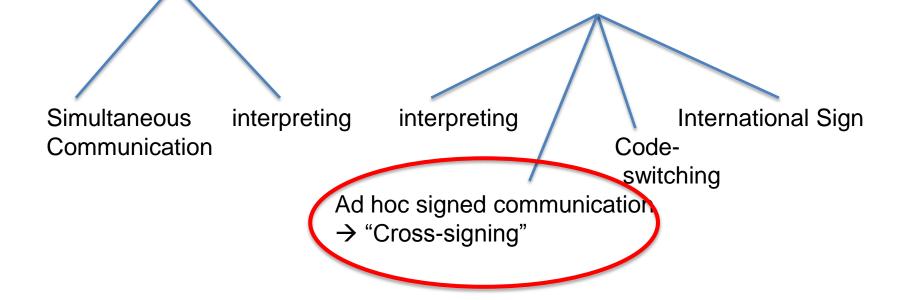
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Contact between signed and spoken language

"bimodal bi-/multilingualism"

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The cross-signing study

A study of language contact between pairs of signers from different linguistic backgrounds who do not have a shared language between them

Video recordings of dyadic conversations at regular intervals:

- First day
- One week
- One month



Linguistic background of participants

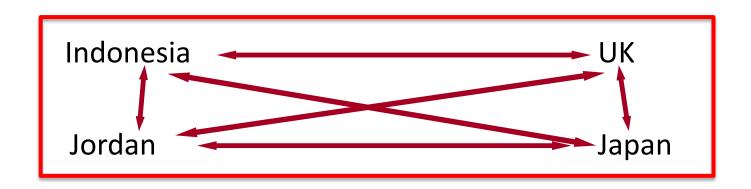
	Fluent	Intermediate	Minimal
CP (female)	British Sign Language,		Jordanian Sign
	English (written),		Language
	International Sign		
MS (male)	Jordanian Sign	Arabic (written)	English (written),
	Language		British Sign Language
HM (male)	Japanese Sign	•	English (written)
	Language,		
	Japanese (written)		
MI (male)	Indonesian Sign	Bahasa Indonesia	English (written)
	Language	(written)	





"Cross-signing" data

b) Casual conversation and experimental data from multiply matched dyads (2012):



Conversation (15 hrs of video)

- First contact
- After one week
- After one month

Experiment (2 hrs of video)

- First contact

- After one month



Conversational data (first contact)

Participant	Date of recording	Length of recording	Amount of data
pair		(hr:min:sec)	annotated (min:sec)
HM-CP	31 May 2012	0:38:26	20:23
HM-MI	06 June 2012	0:44:20	21:44
CP-MS	06 June 2012	0:51:14	20:49
MI-MS	07 June 2012	0:42:37	29:26
HM-MS	07 June 2012	0:56:13	28:08
MI-CP	08 June 2012	0:48:59	17:18
Total data	•	4:41:49	2:17:48





	one to nin	e				10+					
	1h digits	2h digits	Lexical	Incorp	Trace	2h digits	1h digital	2h digital	Lexical	Incorp	Trace
CP total	68	25	1	26	0	9	11	6	2	0	0
CP-MH	39	12	1	13	0	1	5	2	1	0	0
CP-MS	12	5	0	6	0	2	1	3	0	0	0
CP-MI	17	8	0	7	0	6	5	1	1	0	0
MH total	94	40	9	24	0	18	10	40	3	1	0
MH-CP	28	11	2	9	0	0	2	10	0	1	0
MH-MS	50	25	5	7	0	14	7	20	3	0	0
MH-MI	16	4	2	8	0	4	1	10	0	0	0
MI total	72	25	5	22	0	8	6	13	1	0	0
MI-MS	28	12	0	1	0	3	5	1	0	0	0
MI-MH	22	3	4	10	0	0	0	11	0	0	0
MI-CP	22	10	1	11	0	5	1	1	1	0	0
MS total	93	50	0	7	0	26	20	10	0	0	2
MS-MI	31	15	0	4	0	5	12	1	0	0	2
MS-CP	21	4	0	1	0	6	1	0	0	0	0
MS-MH	41	31	0	2	0	15	7	9	0	0	0

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	one to nin	e				10+					
	1h digits	2h digits	Lexical	Incorp	Trace	2h digits	1h digital	2h digital	Lexical	Incorp	Trace
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CP-MH	39	12	1	13	0	1	5	2	1	0	0
CP-MS	12	5	0	6	0	2	1	3	0	0	0
CP-MI	17	8	0	7	0	6	5	_1	1	0	0
MH total	94	40	9	24	0	18	10	(40	3	1	0
MH-CP	28	11	2	9	0	0	2	10	0	1	0
MH-MS	50	25	5	7	0	14	7	20	3	0	0
MH-MI	16	4	2	8	0	4	1	10	0	0	0
MI total	72	25	5	22	0	8	6	13	1	0	0
MI-MS	28	12	0	1	0	3	5	1	0	0	0
MI-MH	22	3	4	10	0	0	0	11	0	0	0
MI-CP	22	10	1	11	0	5	1	1	1	0	0
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MS-MH	41	31	0	2	0	15	7	(9	0	0	0
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Conversational "IAP" sequences:

INTRODUCE - ACCOMMODATE - PERSIST





Video example: Jordan-UK



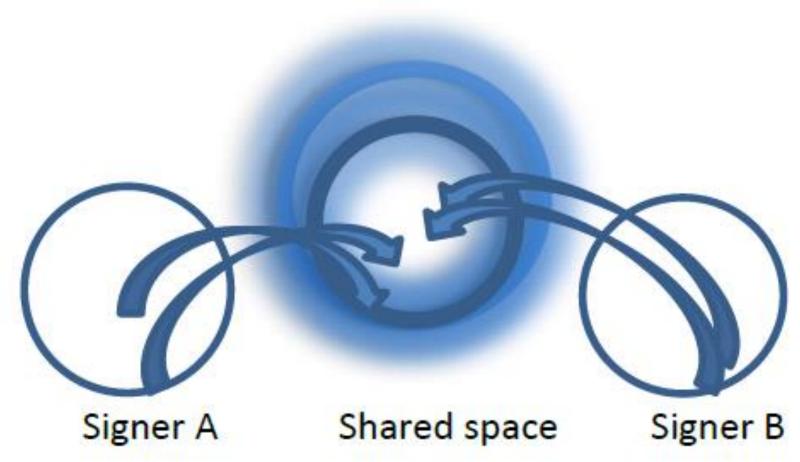


I-A-P sequence

9	Signer	Relevant part of utterance	IAP-
			sequence
(CP	FOUR INDEX:four points	T I
-	MS	FOUR DAY DAY-AND-NIGHT	ľ
(CP	FOUR+MONTH(a)	l'
(CP	FOUR MONTH(b)	l'
(CP	INDEX:down J-U-N-E INDEX:down	
(CP	INDEX:four fingers	ľ
	MS	FOUR MONTH(c)	ľ
(CP	FOUR MONTH(c)	Α
ı	MS	NEXT NEXT FOUR MONTH(c)	Р



The multilingual-multimodal space







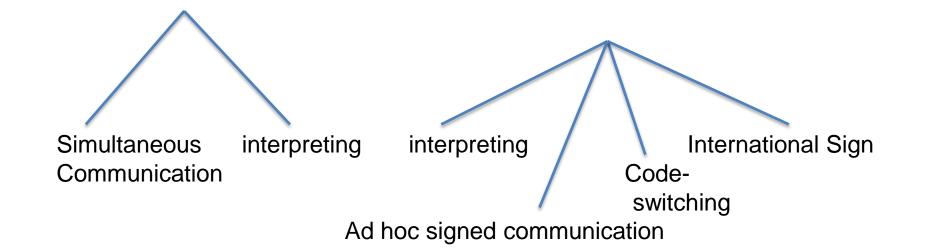
"Sign-switching" in sign bilinguals



"Multilingual behaviours in sign language users" (ERC project)

Contact between signed and spoken language "bimodal bi-/multilingualism"

Contact between two or more signed languages "unimodal bi-/multilingualism"

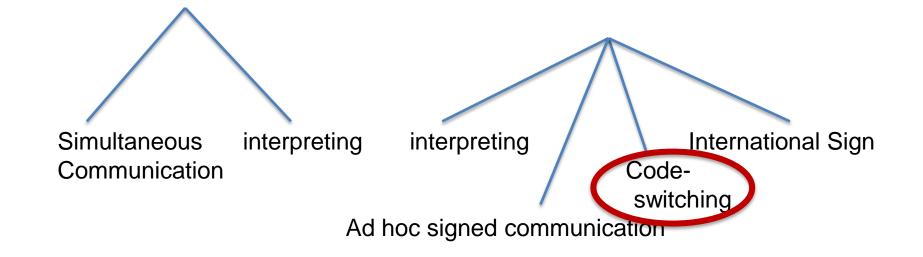




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The "sign-switching" study: Burundi-India



WK in India 1 yr SN in India 1yr

CN in India 3 yrs

AB in India 2 yrs



Video example: Text by CN



Negation and WH-questions

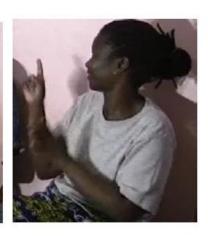
- BuSL and ISL share several negative signs; negative clauses have similar structure with clause-final negators
- BuSL and ISL have very different WH-question signs: Compounds with a general WH-sign in ISL, monomorphemic WH-signs in BuSL, which are loans from ASL



Negative signs common to BuSL and ISL







S:NONE (linear outward or circular movement) S:NO (one-handed or two-handed) S:DON'T



S:N-O (single or repeated)



S:DON'T-KNOW

Lexical choice in sample text segments: All signs

Participant	All tokens	BuSL tokens	ISL tokens	S tokens
AB	281	61	77	143
		21.7%	27.4%	50.9%
SN	235	84	49	102
		35.7%	20.8%	43.4%
CN	137	50	31	56
		36.5%	22.6%	40.9%
Total	653	195	157	301

Tokens, i.e. how many signs in total.

Participant	All types	BuSL types	ISL types	S types
AB	140	37	42	61
		26.4%	30%	43.6%
SN	104	32	26	46
		30.8%	25%	44.2%
CN	81	25	19	37
		30.9%	23.5%	45.6%
Total	325	94	87	144

Types, i.e. how many different kinds of signs



Lexical choice: Negators and WH-signs

B:NEVER	2	2.10%
B:NOT	8	8.20%
I:CANNOT	2	2.10%
I:NOT	9	9.30%
S:DON'T-KNOW	11	11.30%
S:DON'T	3	3.10%
S:NO/NOT-AT-ALL	15	15.50%
S:N-O	11	11.30%
S:NONE/NOTHING	36	37.10%
Total	97	100.00%
B:HOW	6	12.80%
B:WHAT	2	4.30%
B:WHERE	3	6.40%
B:WHY	13	27.70%
I:WH	18	38.20%
S:WHO	5	10.60%
Total	47	100.00%



Examples of reiterative code-switching

INDEX++ S:SOLVE I:DIFFICULT+ B:DIFFCULT

B:FATHER B:MONEY I:MONEY B:MONEY S:THERE

I:PLUS I:ADD-UP-TOTAL S:OK S:AGREE

B:HOLIDAY I:HOLIDAY S:IX1 S:FLY S:NO

This occurs regularly with lexical signs but not with grammatical signs such as negators and WH-signs.

Findings: Characteristics of a shared bilingual variety

- Similar proportions of BuSL, ISL and S type signs for all three signers
- Considerable use of the available pool of shared signs that exist in both sign languages
- Strong preference for shared (S) negators
- No ISL compound WH-signs
- Negator and WH-signs from BuSL and ISL follow grammatical patterns of BuSL and ISL



Further research

Cross-signing:

 Lexicon development and stabilisation over time (in the domain of persons and animals)

Sign-switching:

 Development of stable bilingual variety ("community of practice") - Comparison between Burundi-Indian and German-Turkish sign bilinguals



References

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