

## Acoustic and language model training

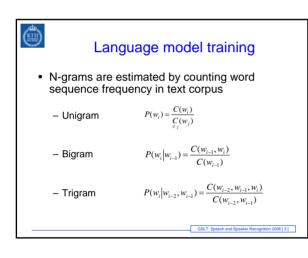
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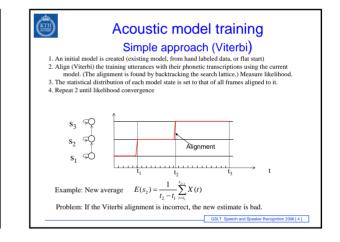
• Large training corpora (speech and text) are required to estimate the statistical distribution of the acoustic and linguistic models

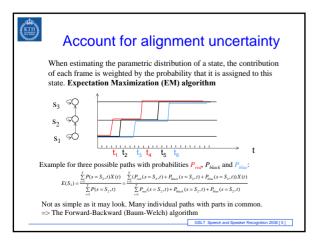
GSLT Speech and Speaker Recogni

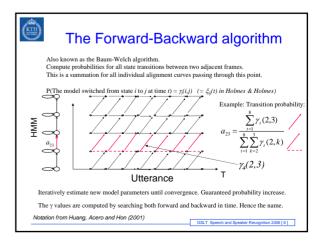
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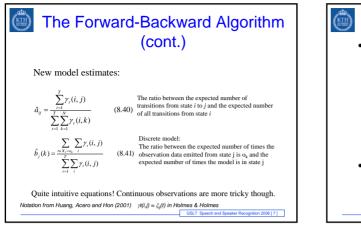
 Automatic training techniques are necessary





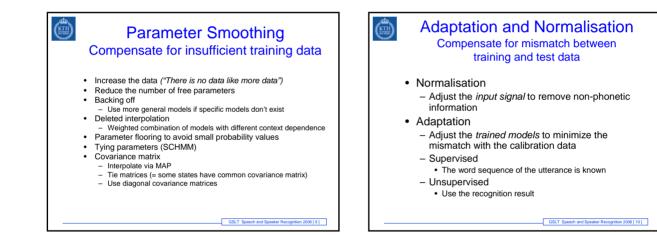


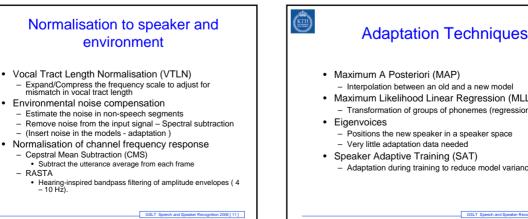




(m)

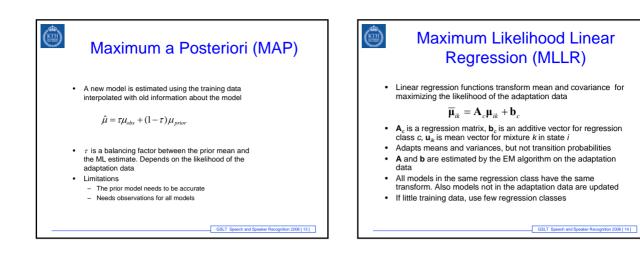


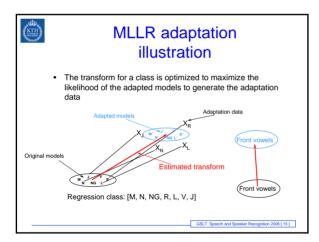


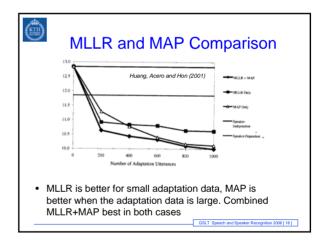


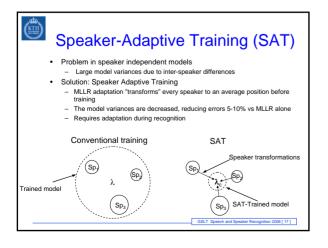


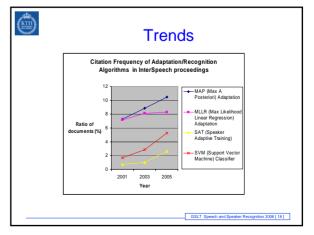
GSLT Sp on 2006 [ 12 ]

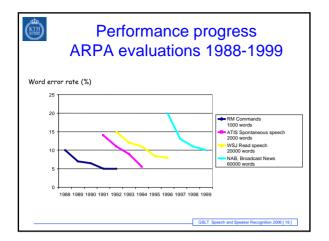












	(previous re	esults in p	arenthes	is)
Corpus	Speech type	Lexicon size	Word Error Rate (%)	Human Err Rate (%)
Digit string (phone)	spontaneous	10	0.3	0.009
Resource Management	read	1000	3.6	0.1
ATIS	spontaneous	2000	2	-
Wall Street Journal	read	64000	6.6	1
Radio News	mixed	64000	13.5	-
Switchboard (phone)	conversation	10000	19.3	4
Call Home (phone)	conversation	10000	30	-

