

# **System Description on Third Automatic Simultaneous Translation Workshop**

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# *Outlines*

- Tasks
- Datasets
- System Description
- Results

# Tasks

I participated in:

1. Text Translation Tasks (Text to Text)

- Zh - En
- En - Es

2. Audio Translation Tasks (Audio to Text)

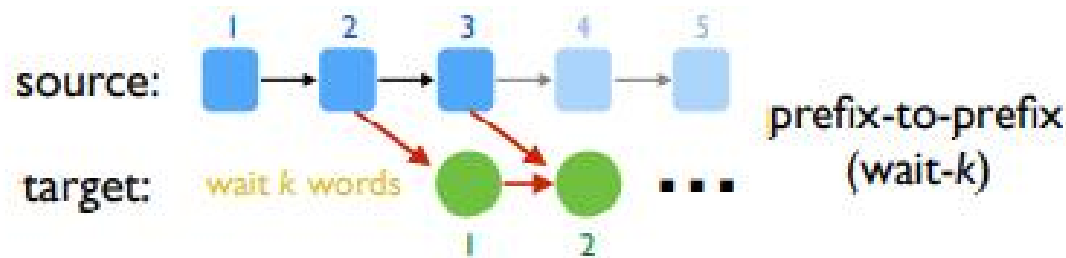
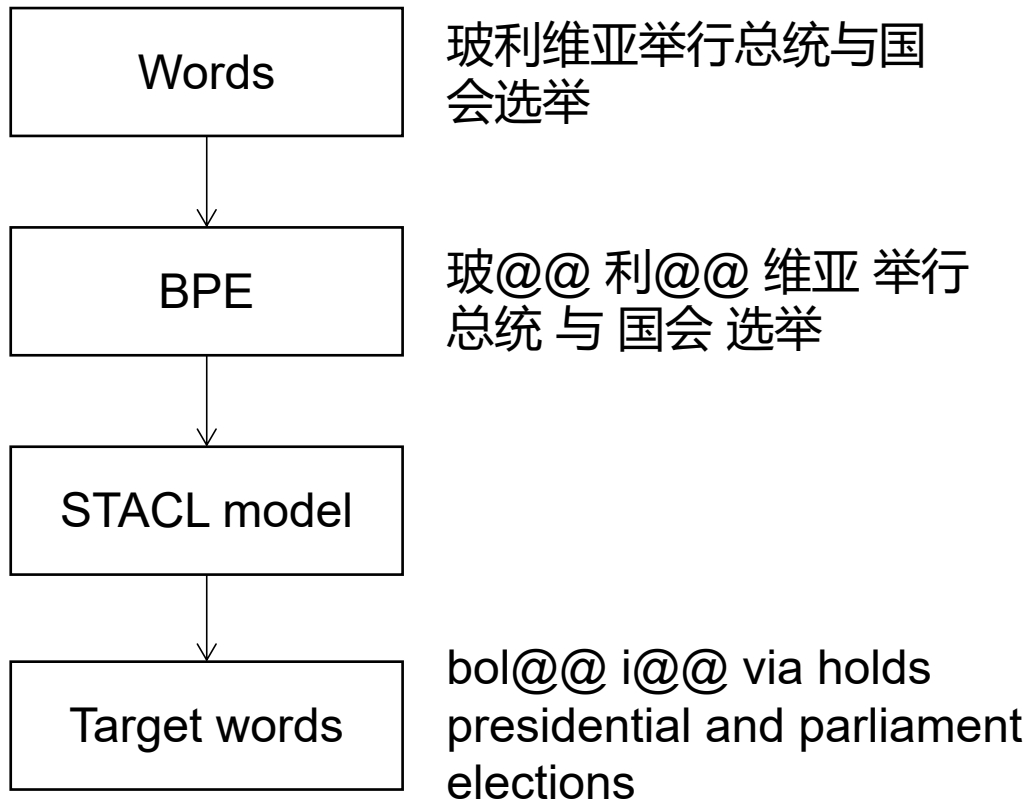
- Zh - En

# Datasets

Task	Language	Dataset name	Sample size
Text Translation	Zh-En	AST	37,901
	En-Es	United Nations Parallel Corpus	21,911,121
Audio Translation	Zh-En	AISHELL	178h

# System Description

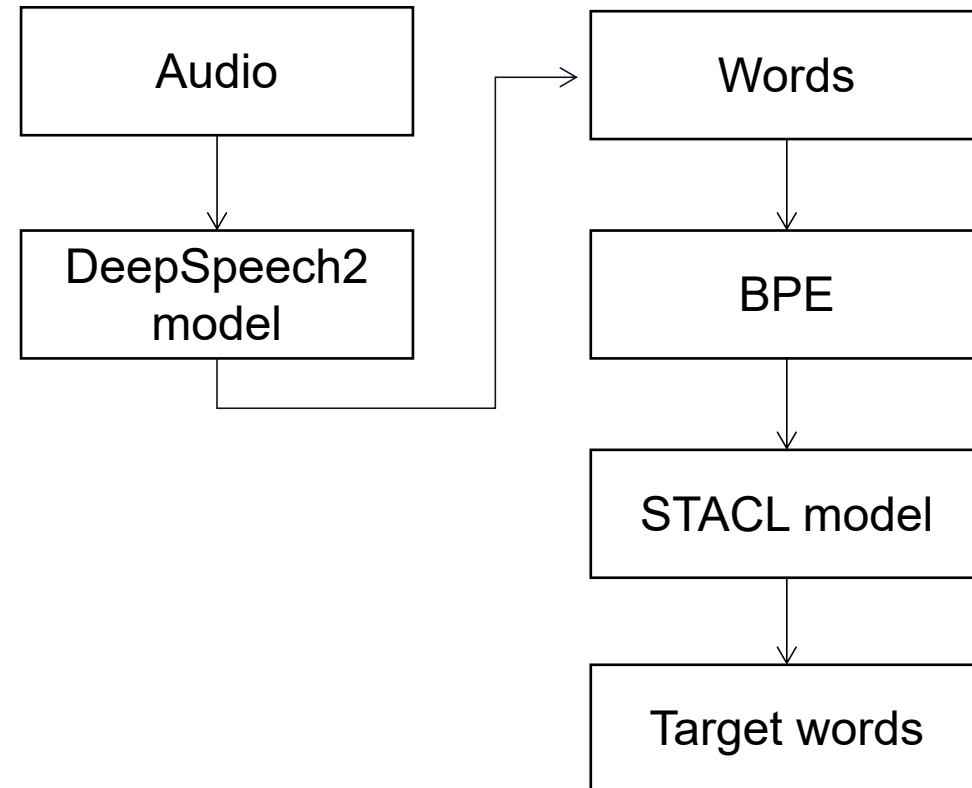
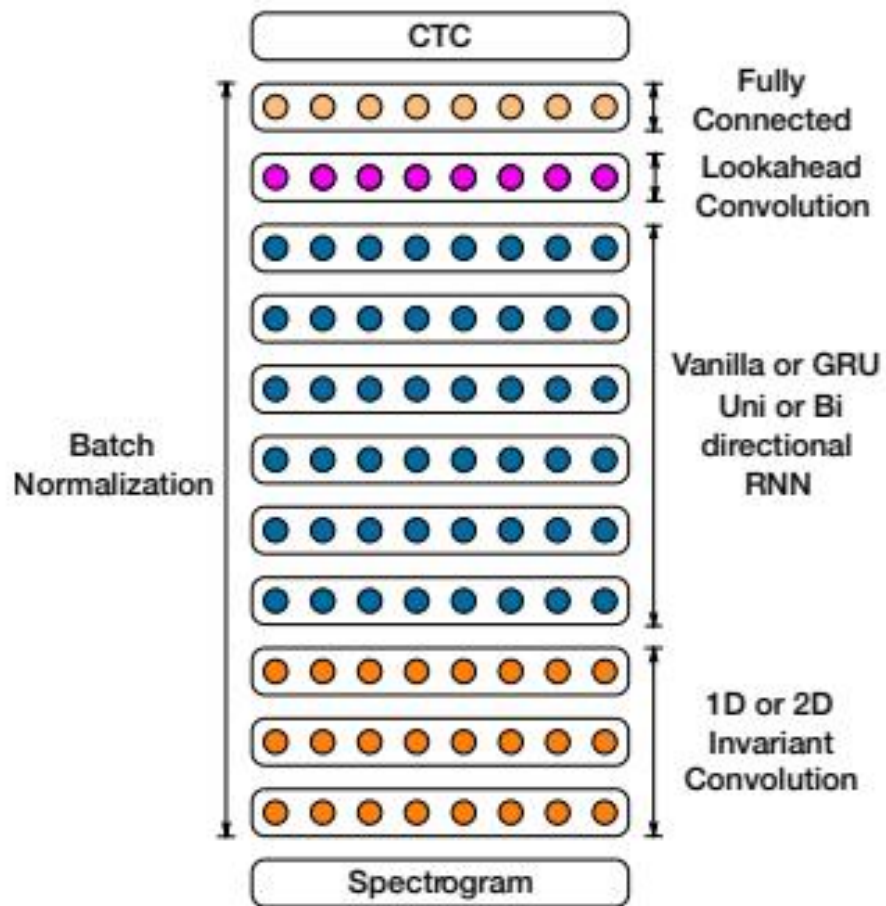
## *Text Translation System*



Parameter	Value
wait-k	1 or 3
max epoch	30
batch size	512
learning rate	2.0
max length	256
n layer	6

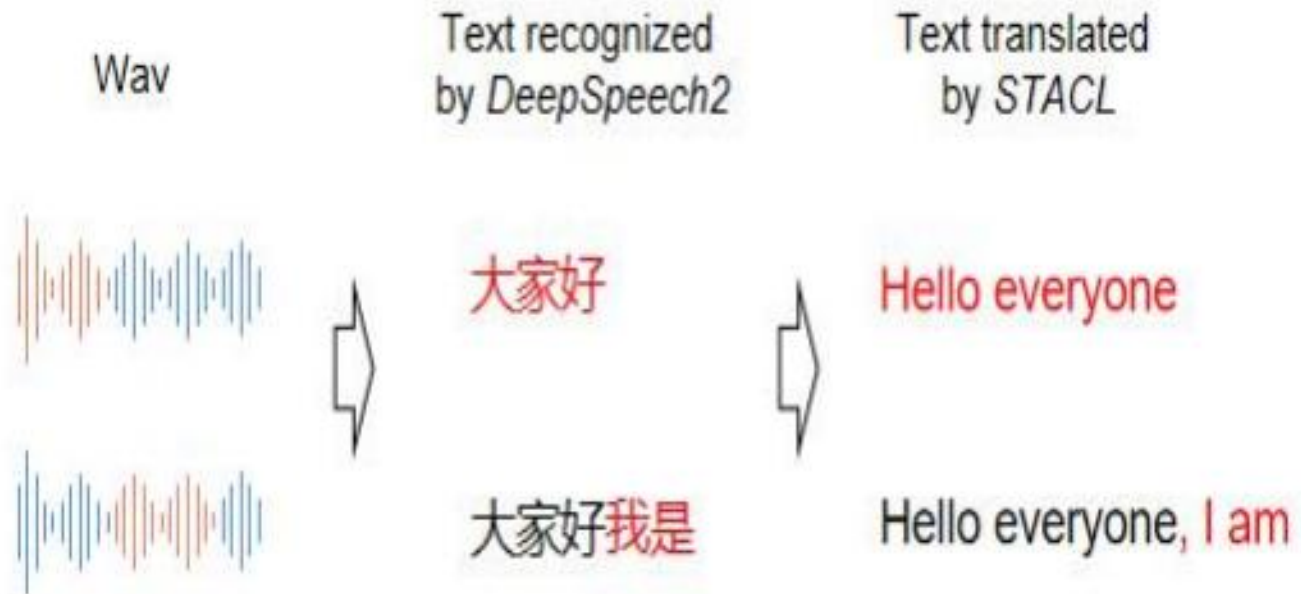
# System Description

## *Audio Translation System*



# System Description

## *Audio Translation System*



# Results

The used method can get low delay with a few training samples.

➤ Zh-En text translation task

When the wait-k is 1, the AL of the submitted result is -1.28, and the BLEU is 14.86. When the wait-k is 3, the AL is -0.52, and the BLUE is 14.84.

➤ En-Es text translation task

The AL of the submitted result is -1.61, and the BLEU is 11.82 with only 1 epoch.

➤ Audio translation task

The CW of submitted results is 19.21, and the BLEU is 7.3.



Thanks!