



CNVSRC 2024

Chinese Continuous Visual Speech Recognition Challenge

NCMMSC-CNVSRC 2024 Workshop

2024.08.16 Urumqi, China



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Speech home

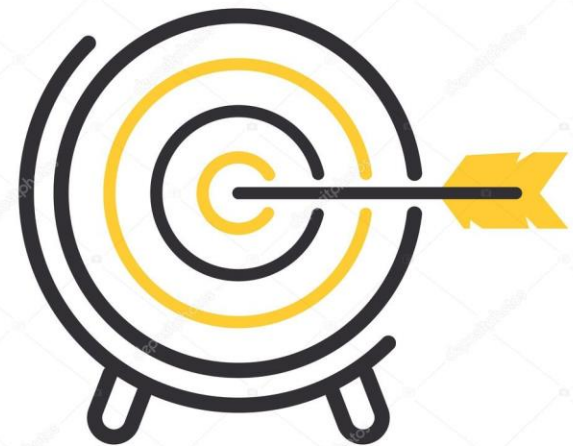
Chinese Continuous Visual Speech Recognition Challenge (CNVSRC) 2024



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Motivation



The VSR system can perform how well in the scenario of "Chinese Large Vocabulary Continuous VSR in the wild"?



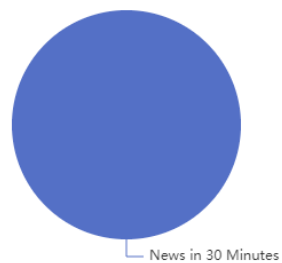
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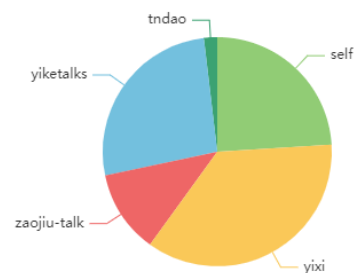
Dataset : CNCVS[1]



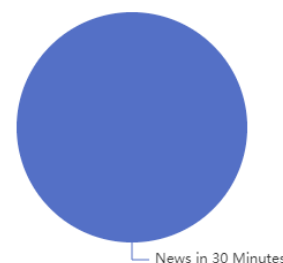
CN-CVS/News: 34.60



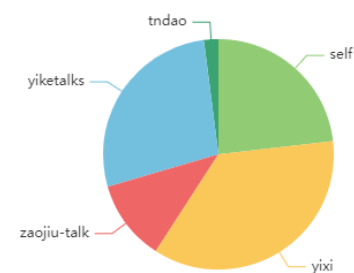
CN-CVS/Speech: 273.32



CN-CVS/News: 13,016



CN-CVS/Speech: 193,245



News in 30 Minutes self yixi zaojiu-talk yiketalks tndao

News in 30 Minutes self yixi zaojiu-talk yiketalks tndao

[1]C. Chen, D. Wang, and T. F. Zheng, "CN-CVS: A Mandarin Audio-Visual Dataset for Large Vocabulary Continuous Visual to Speech Synthesis," ICASSP 2023

Dataset : Two Track Datasets and **an Additional Dataset**

- Two Track Datasets :

- **CNVSRC-Single** for Task 1: Single-speaker VSR

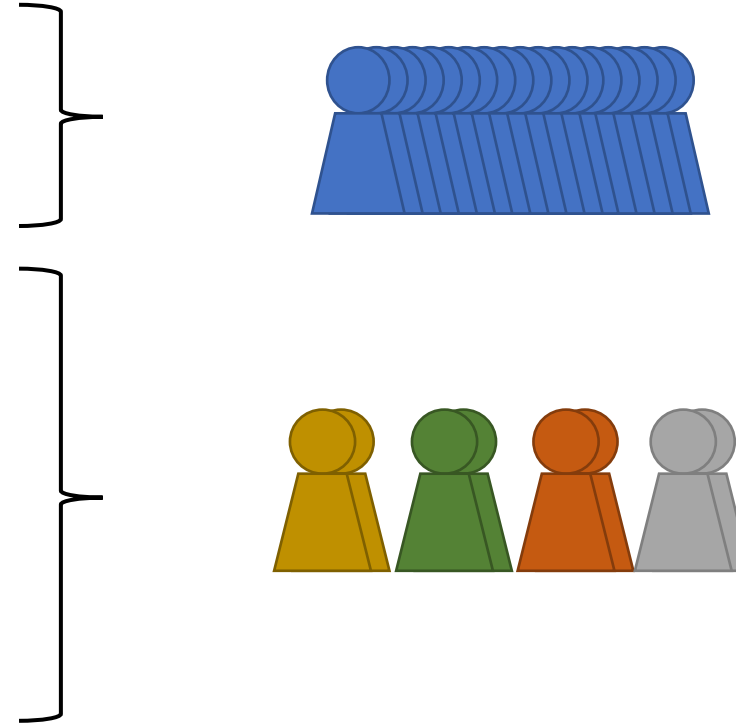
- 1 Speaker
 - 100 hours audio-video paired data

- **CNVSRC-Multi** for Task 2: Multi-speaker VSR

- 43 Speakers
 - 1 hour per speaker audio-video paired Data

- **CN-CVS2-P1** for Open Track

- Many different speakers from Internet
 - 200 hours audio-video paired data



- Two Tracks for each Task:

- Fixed track
 - **Only** CN-CVS and CNVSRC-Single.Dev / CNVSRC-Multi.Dev can be used
 - Open track
 - **Any** data sources can be used

Organization committee



Dong Wang
王东



Zehua Liu
刘泽华



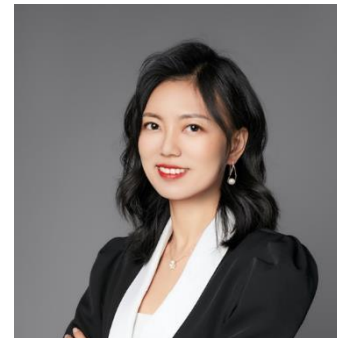
Lantian Li
李蓝天



Ke Li
李科



Hui Bu
卜辉

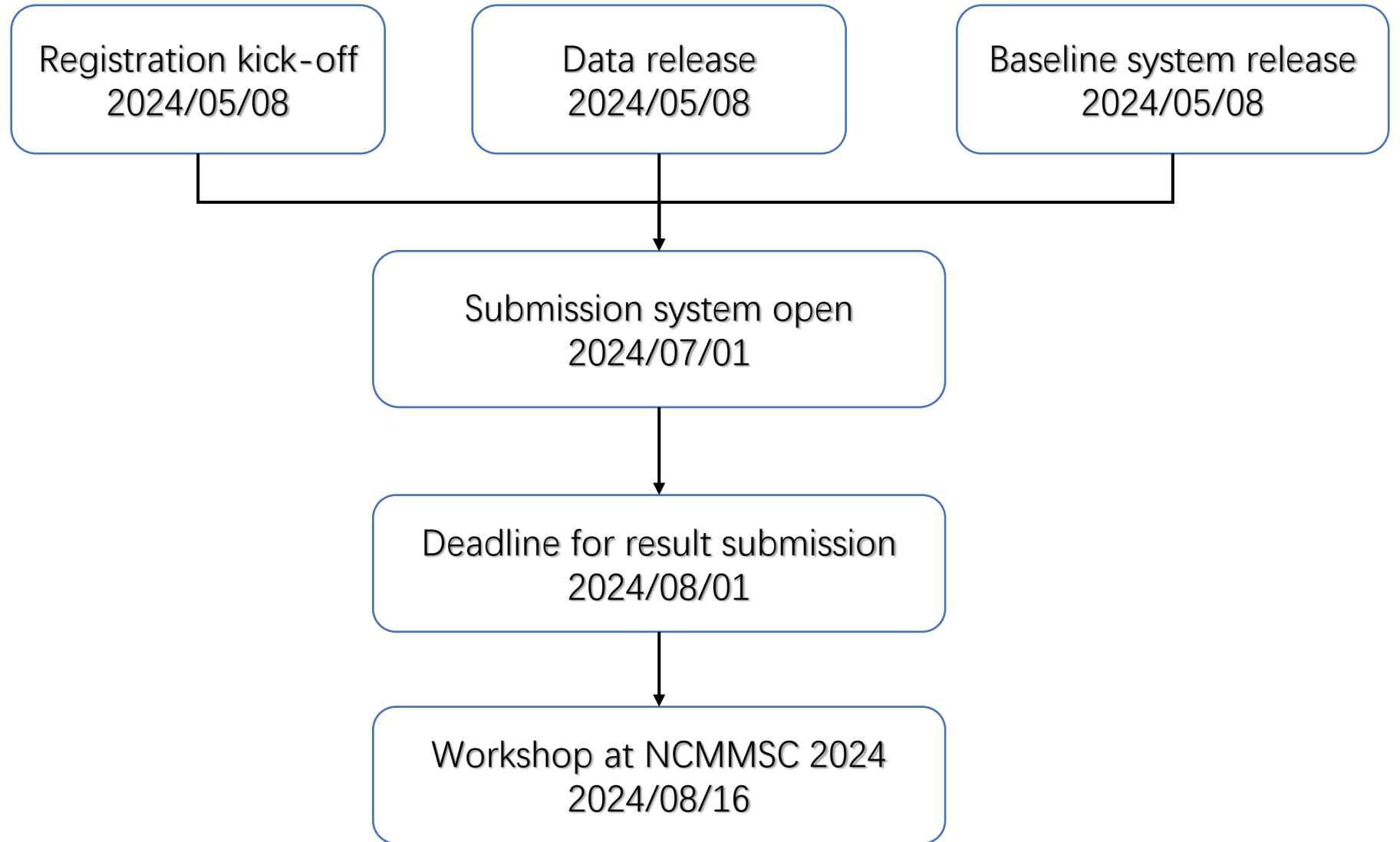
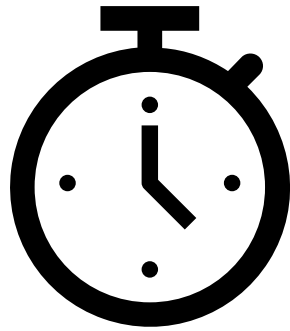


Xiaoman Wang
王潇蔓



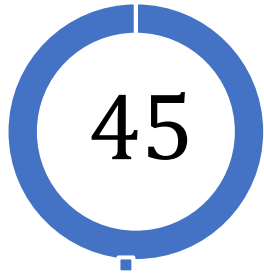
Xin Xu
徐昕

Timeline

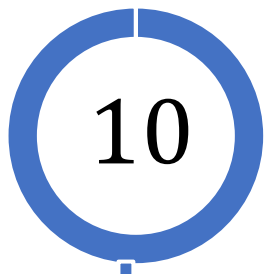


Statistics

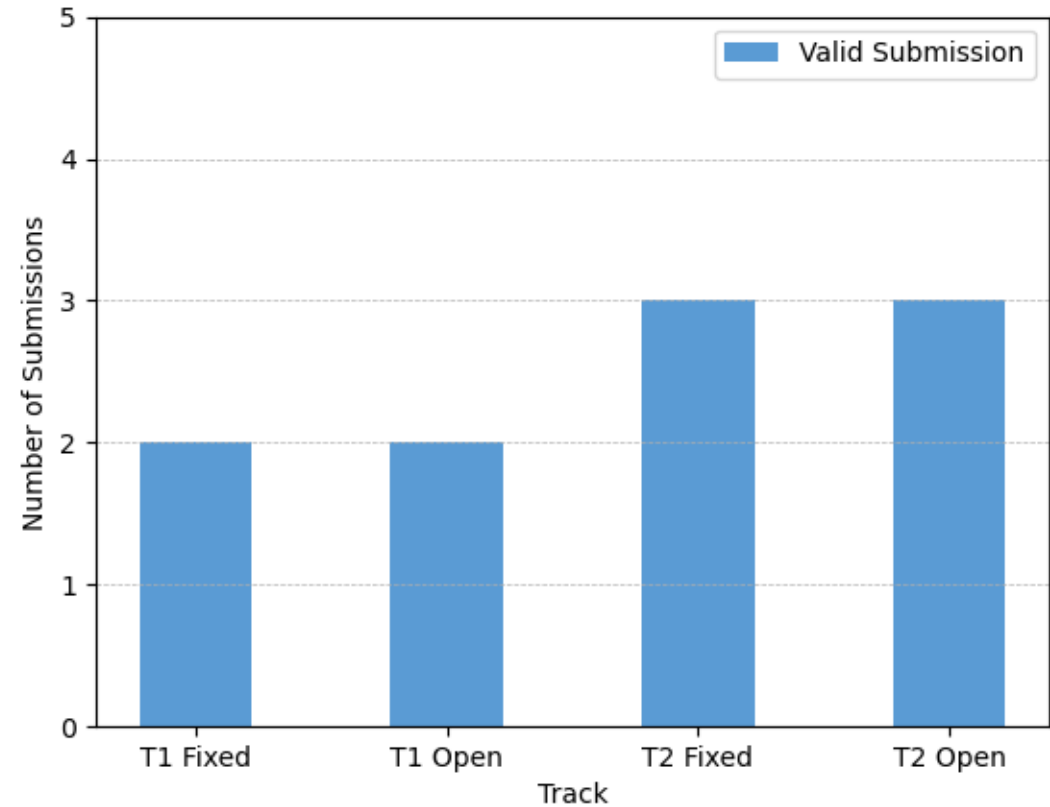
Registration



Submission



Submission in each track



Leaderboard

□ Single-Speaker:


Task 1. Single-speaker VSR (T1)

Task 2. Multi-speaker VSR (T2)

Fixed Track

Rank	Entries	TeamID	CER (%)	Upload Date
1	5	T237	30.4679	08-01-19:20
2	2	T244	39.3110	07-23-16:02

Open Track


Rank	Entries	TeamID	CER (%)	Upload Date
1	4		30.0680	07-23-18:29
2	5	T237	30.4679	08-01-19:33

□ Multi-Speaker:


Task 1. Single-speaker VSR (T1)

Task 2. Multi-speaker VSR (T2)

Fixed Track

Rank	Entries	TeamID	CER (%)	Upload Date
1	5	T237	34.2955	08-01-16:42
2	5		45.3244	07-08-09:41
3	2	T244	47.9259	07-23-16:04

Open Track

Rank	Entries	TeamID	CER (%)	Upload Date
1	5	T237	34.2955	08-01-17:01
2	5		38.3454	07-23-15:03
3	2	T405	57.7762	08-02-02:37

CNVSRC 2024 vs CNVSRC 2023

Best CER Result in Each Track

	T1: Single-speaker VSR		T2: Multi-speaker VSR	
Track	Fixed Track	Open Track	Fixed Track	Open Track
CNVSRC 2023	34.7601%	34.7601%	53.6815%	41.0550%
CNVSRC 2024	30.4679%	30.0680%	34.2955%	34.2955%

Supporting teams



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