RONGLAI ZUO

Huxley Building, South Kensington Campus, Imperial College London, UK

Email: zrl2016ustc@outlook.com & Homepage: https://2000zrl.github.io

EDUCATION

The Hong Kong University of Science and Technology   *Sep. 2020 - Aug. 2024*

- Ph.D. in Computer Science and Engineering, Supervisor: Prof. Brian Mak
- Thesis: Vision-Based Sign Language Processing: Recognition, Translation, and Generation.

University of Science and Technology of China   *Sep. 2016 - Jul. 2020*

- Special Class for the Gifted Young, Talent Program in Artificial Intelligence
- B.Eng. in Electronic Information Engineering

EMPLOYMENT

Imperial College London   *Oct. 2024 - Present*

- Postdoctoral Research Associate: Sign Language Processing (Recognition/Translation/Generation).
- Supervisor: Dr. Jiankang Deng and Prof. Stefanos Zafeiriou

Microsoft Research Asia   *Apr. 2022 - Oct. 2023*

- Research Intern: Sign Language Processing (Recognition/Translation/Generation).
- Mentor: Dr. Fangyun Wei

PUBLICATIONS

*co-first authors

- **Ronglai Zuo**, Fangyun Wei, and Brian Mak, "Towards Online Continuous Sign Language Recognition and Translation," **EMNLP**, Miami, USA, 2024.

- **Ronglai Zuo***, Fangyun Wei*, Zenggui Chen, Brian Mak, Jiaolong Yang, and Xin Tong, "A Simple Baseline for Spoken Language to Sign Language Translation with 3D Avatars," **ECCV**, Milan, Italy, 2024, ***Oral***.

- Zhe Niu*, **Ronglai Zuo***, Brian Mak, and Fangyun Wei, "A Hong Kong Sign Language Corpus Collected from Sign-interpreted TV News," **LREC-COLING**, Turin, Italy, 2024, ***Oral***.

- **Ronglai Zuo** and Brian Mak, "Improving Continuous Sign Language Recognition with Consistency Constraints and Signer Removal," ACM **TOMM**, 2024.

- **Ronglai Zuo**, Fangyun Wei, and Brian Mak, "Natural Language-Assisted Sign Language Recognition," **CVPR**, Vancouver, Canada, 2023.

- Yutong Chen*, **Ronglai Zuo***, Fangyun Wei*, Yu Wu, Shujie Liu, and Brian Mak, "Two-Stream Network for Sign Language Recognition and Translation," **NeurIPS**, New Orleans, USA, 2022, ***Spotlight***.

- **Ronglai Zuo** and Brian Mak, "C2SLR: Consistency-enhanced Continuous Sign Language Recognition," **CVPR**, New Orleans, USA, 2022.

- **Ronglai Zuo** and Brian Mak, "Local Context-aware Self-attention for Continuous Sign Language Recognition," **Interspeech**, Incheon, Korea, 2022.

AWARDS

- **Stars of Tomorrow**, Microsoft Research Asia *2023*
- **Outstanding Graduate**, USTC *2020*
- **Outstanding Student** (Top 30%), USTC *2017–2019*

INVITED TALKS

- Vision-Based Sign Language Processing, DERI, Queen Mary University of London *Nov. 2024*
- Vision-Based Sign Language Processing, iBUG Group, Imperial College London *Jan. 2024*

SERVICES

- Conference Reviewer: CVPR, ICCV, ECCV, ACCV, NeurIPS, ICLR, AAAI
- Journal Reviewer: IJCV, TMM, TCSVT, THMS, PR, IPM

TEACHING ASSISTANT

- COMP2012 Object-Oriented Programming and Data Structures *Fall 2023*
- COMP2011 Programming with C++ *Spring 2021, Fall 2021*

REFEREES

Prof. Brian Mak

- Relationship: Ph.D. supervisor
- Contact: mak@cse.ust.hk

Dr. Jiankang Deng

- Relationship: Postdoc supervisor
- Contact: jiankangdeng@gmail.com

Dr. Fangyun Wei

- Relationship: Internship mentor at Microsoft Research Asia
- Contact: fawe@microsoft.com