Hao Shi

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Education

Ph.D. in Computer Science, Kyoto University 2021 – Current
Robust Automatic Speech Recognition
Advisors: Tatsuya Kawahara

M.Phil. in Computer Science, Tianjin University 2018 – 2021
Thesis: Spectrograms Fusion-based Speech Enhancement
Advisors: Longbiao Wang

B.Sc. in Computer Science, Southwest Jiaotong University 2014 – 2018
Advisors: Zhixiong Di

Research Experience

- Tianjin University, Aug. 2021 – Present
  - Speech signal processing

Professional Activities

INTERSPEECH 2020 (Shanghai) Volunteer 2020

Skills

Programming	C, C++, Java, Python
Frameworks	NumPy, PyTorch, SciPy, TensorFlow
Tools	Linux, vim git, tmux

Hobbies

Piano	Sonata
Basketball	Small Forward (SF)
Swimming	Breaststroke
Music	Rock

Publications

Representative publications that I am a primary author on are highlighted.
[Google Scholar] [BibTeX]

2021

1. *Speech Dereverberation Based on Scale-aware Mean Square Error Loss*
   Luya Qiang, **Hao Shi (Joint First Author)**, Meng Ge, Haoran Yin, Nan Li, Longbiao Wang, Sheng Li, and Jianwu Dang
   ICONIP 2021

2. *Simultaneous Progressive Filtering-based Monaural Speech Enhancement*
   Haoran Yin, **Hao Shi (Joint First Author)**, Longbiao Wang, Luya Qiang, Sheng Li, Meng Ge, Gaoyan Zhang, and Jianwu Dang
   ICONIP 2021

3. *Spectrograms Fusion-based End-to-end Robust Automatic Speech Recognition*
Hao Shi, Longbiao Wang, Sheng Li, Cunhang Fan, Jianwu Dang, and Tatsuya Kawahara
APSIPA 2021

2020

4. *Singing Voice Extraction with Attention-Based Spectrograms Fusion*
Hao Shi, Longbiao Wang, Sheng Li, Chenchen Ding, Meng Ge, Nan Li, Jianwu Dang, and Hiroshi Seki
INTERSPEECH 2020

5. *Spectrograms Fusion with Minimum Difference Masks Estimation for Monaural Speech Dereverberation*
Hao Shi, Longbiao Wang, Meng Ge, Sheng Li, and Jianwu Dang
ICASSP 2020

2019

6. *Environment-Dependent Attention-Driven Recurrent Convolutional Neural Network for Robust Speech Enhancement*
Meng Ge, Longbiao Wang, Nan Li, **Hao Shi**, Jianwu Dang, and Xiangang Li
INTERSPEECH 2019