Alibaba Group Selected Papers @INTERSPEECH 2020

Automatic Speech Recognition

- SAN-M: Memory Equipped Self-Attention for End-to-End Speech Recognition, Zhifu Gao, Shiliang Zhang, Ming Lei, Ian McLoughlin

- Streaming Chunk-Aware Multihead Attention for Online End-to-End Speech Recognition, Shiliang Zhang, Zhifu Gao, Haoneng Luo, Ming Lei, Jie Gao, Zhijie Yan, Lei Xie

- Cross Attention with Monotonic Alignment for Speech Transformer, Yingzhu Zhao, Chongjia Ni, Cheung-Chi LEUNG, Shafiq Joty, Eng Siong Chng and Bin Ma

- Speech Transformer with Speaker Aware Persistent Memory, Yingzhu Zhao, Chongjia Ni, Cheung-Chi LEUNG, Shafiq Joty, Eng Siong Chng and Bin Ma

- Speech Transformer with Speaker Aware Persistent Memory, Yingzhu Zhao, Chongjia Ni, Cheung-Chi LEUNG, Shafiq Joty, Eng Siong Chng and Bin Ma

- Universal Speech Transformer, Yingzhu Zhao, Chongjia Ni, Cheung-Chi LEUNG, Shafiq Joty, Eng Siong Chng and Bin Ma

- Neural Zero-Inflated Quality Estimation Model For Automatic Speech Recognition System, Kai Fan,Bo Li Jiayi Wang, Boxing Chen, Niyu Ge, Shiliang Zhang

Text-to-Speech

- Towards Natural Bilingual and Code-Switched Speech Synthesis Based on Mix of Monolingual Recordings and Cross-Lingual Voice Conversion, hengkui Zhao, Trung Hieu Nguyen, Hao Wang and Bin Ma

Speaker Recognition

- Phonetically-Aware Coupled Network For Short Duration Text-independentSpeaker Verification, Siqi Zheng, Yun Lei, Hongbin Suo

Speech Enhancement

- Self-supervised Adversarial Multi-task Learning for Vocoder-based Monaural Speech Enhancement, Zhihao Du, Ming Lei, Jiqing Han, Shiliang Zhang

Signal Processing

- Differential Beamforming for Uniform Circular Array with Directional Microphones, Weilong Huang and Jinwei Feng

- A Semi-blind Source Separation Approach for Speech Dereverberation, Ziteng Wang, Yueyue Na, Zhang Liu, Yun Li, Biao Tian and Qiang Fu