

Chien-Feng Liao

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Education

- Master of Data Science, National Taiwan University (2017 ~ 2019)
- Bachelor of Bio-Industrial Mechatronics Engineering, National Taiwan University (2011 ~ 2015)

Experience

- **Research intern** at National Institute of Information and Communications Technology (NICT), Japan (2018/7 ~ 2018/9)
- **Research assistant** at Research Center for Information Technology Innovation, Academia Sinica, Taiwan (2016/8 ~ 2017/9)
- **Computer vision engineer** at KINPO ELECTRONICS INC., Taiwan (2015/9 ~ 2016/8)

Skill

- Machine learning, deep learning
- Speech signal processing, speech enhancement, voice conversion
- Computer vision, object detection, face verification

Language

- TOEIC 975 / 990

Programming

- Python, C/C++, Matlab
- Frameworks: TensorFlow, Keras, OpenCV, dlib
- Enviroment: Linux

Publications

1. Fu, S. W., **Liao, C. F.**, Tsao, Y., & Lin, S. D. (2019). MetricGAN: Generative Adversarial Networks based Black-box Metric Scores Optimization for Speech Enhancement. *ICML 2019*.
2. Fu, S. W., **Liao, C. F.**, & Tsao, Y. (2019). Learning with Learned Loss Function: Speech Enhancement with Quality-Net to Improve Perceptual Evaluation of Speech Quality. *arXiv preprint arXiv:1905.01898*.
3. **Liao, C. F.**, Tsao, Y., Lu, X., & Kawai, H. (2019). Incorporating Symbolic Sequential Modeling for Speech Enhancement. *Interspeech 2019*.
4. **Liao, C. F.**, Tsao, Y., Lee, H. Y., & Wang, H. M. (2018). Noise adaptive speech enhancement using domain adversarial training. *Interspeech 2019*.
5. Kao, Y. Y., Hsu, H. P., **Liao, C. F.**, Tsao, Y., ... & Wang, H. M. (2018, September). Automatic Detection of Speech Under Cold Using Discriminative Autoencoders and Strength Modeling with Multiple Sub-Dictionary Generation. In 2018 16th International Workshop on Acoustic Signal Enhancement (IWAENC) (pp. 416-420). IEEE.