WEN-CHIN HUANG

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https://unilight.github.io/

EDUCATION

Nagoya University — Apr. 2019 - Present
M.S., Graduate School of Informatics
Advisor: Prof. Tomoki Toda

National Taiwan University — Sep. 2014 - Jun. 2018
B.S. in Computer Science & Information Science
Overall GPA 3.79/4.3; Last 60 4.04/4.3

PROFESSIONAL EXPERIENCES

NTT Communication Science Laboratories,
NTT Corporation, Japan — Aug. 2019 - Sep. 2019
Research Intern
Advisor: Dr. Hirokazu Kameoka

Institute of Information Science, Academia Sinica, Taiwan — Jul. 2017 - Mar. 2019
Research Assitant
Advisor: Dr. Hsin-Min Wang

HONORS

· **Scholarship for International Students**, JEES Docomo, 2019

· **Travel grant**, ISCA and Interspeech 2019

· **Best Student Paper Award**, The 11th International Symposium on Chinese Spoken Language Processing (ISCSLP), 2018

PUBLICATIONS

Preprints

1. W.-C. Huang, Tomoki Hayashi, Yi-Chiao Wu, Hirokazu Kameoka, and Tomoki Toda, "Voice Transformer Network: Sequence-to-Sequence Voice Conversion Using Transformer with Text-to-Speech Pretraining," *arXiv preprint arXiv:1912.06813*, 2019

2. Xin Wang, Junichi Yamagishi, Massimiliano Todisco, Hector Delgado, Andreas Nautsch, Nicholas Evans, Md Sahidullah, Ville Vestman, Tomi Kinnunen, Kong Aik Lee, W.-C. Huang, et al., "The ASVspoof 2019 database," *arXiv preprint arXiv:1911.01601*, 2019

Peer-reviewed Conferences

1. W.-C. Huang, Y.-C. Wu, K. Kobayashi, Y.-H. Peng, H.-T. Hwang, P. Lumban Tobing, T. Toda, Y. Tsao, and H.-M. Wang, "Generalization of Spectrum Differential based Direct Waveform Modification for Voice Conversion," in *Proc. 10th ISCA Speech Synthesis Workshop*, 2019, pp. 57–62

2. W.-C. Huang, Y.-C. Wu, C.-C. Lo, P. Lumban Tobing, To. Hayashi, K. Kobayashi, T. Toda, Y. Tsao, and H.-M. Wang, "Investigation of F0 Conditioning and Fully Convolutional Networks in Variational Autoencoder Based Voice Conversion," in *Proc. Interspeech*, 2019, pp. 709–713

3. C.-C. Lo, S.-W. Fu, W.-C. Huang, X. Wang, J. Yamagishi, Y. Tsao, and H.-M. Wang, "MOSNet: Deep Learning based Objective Assessment for Voice Conversion," in *Proc. Interspeech*, Sep 2019

4. W.-C. Huang, Y.-C. Wu, H.-T. Hwang, P. Lumban Tobing, To. Hayashi, K. Kobayashi, T. Toda, Y. Tsao, and H.-M. Wang, "Refined WaveNet Vocoder for Variational Autoencoder Based Voice Conversion," in *Proc. 27th European Signal Processing Conference (EUSIPCO)*, Sep 2019

5. W.-C. Huang, H.-T. Hwang, Y.-H. Peng, Y. Tsao, and H.-M. Wang, "Voice conversion based on cross-domain features using variational auto encoders," in *Proc. The 11th International Symposium on Chinese Spoken Language Processing (ISCSLP)*, Nov 2018

Domestic Conferences

1. W.-C. Huang, Y.-C. Wu, H.-T. Hwang, P. Lumban Tobing, To. Hayashi, K. Kobayashi, T. Toda, Y. Tsao, and H.-M. Wang, "Reducing mismatch of WaveNet vocoder for variational autoencoder based voice conversion," in *ASJ*, Mar 2019

2. W.-C. Huang, C.-C. Lo, H.-T. Hwang, Y. Tsao, and H.-M. Wang, "Wavenet vocoder and its applications in voice conversion," in *Proc. The 30th ROCLING Conference on Computational Linguistics and Speech Processing (ROCLING)*, Oct 2018

MISCELLANEOUS WORKS

Invited/visiting talks

1. W.-C. Huang "Machine Reading Comprehension with Deep Learning", National Taiwan University of Science and Technology, May. 2018

SKILLS

Languages   Mandarin: native; English: fluent; Japanese: intermediate