

WEN-CHIN HUANG

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<https://unilight.github.io/>

EDUCATION

Nagoya University M.S., Graduate School of Informatics <i>Advisor:</i> Prof. Tomoki Toda	Apr. 2019 - Present
National Taiwan University B.S. in Computer Science & Information Science Overall GPA 3.79/4.3; Last 60 4.04/4.3	Sep. 2014 - Jun. 2018

PROFESSIONAL EXPERIENCES

Institute of Information Science, Academia Sinica <i>Research Assistant</i> <i>Advisor:</i> Dr. Hsin-Min Wang	Jul. 2017 - Mar. 2019
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HONORS

- Travel grant, ISCA and Interspeech 2019
- **Best Student Paper Award**, The 11th International Symposium on Chinese Spoken Language Processing (ISCSLP), 2018

PUBLICATIONS

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 *The 10th Speech Synthesis Workshop (SSW)*, Sep 2019
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*, Sep 2019
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