List of Publications

Yi-Chiao Wu

October 2020

Journal Papers

[1] H-T. Hwang, Y.-C. Wu, Y.-H. Peng, C.-C. Hsu, Y. Tsao, H.-M. Wang, Y.-R. Wang, and S.-H. Chen, "Voice conversion based on locally linear embedding," Journal of Information Science and Engineering, vol. 34, pp. 1469–1491, 2018.

[2] H-T. Hwang, Y.-C. Wu, S.-S. Wang, C.-C. Hsu, Y. Tsao, H.-M. Wang, Y.-R. Wang, and S.-H. Chen, "Locally linear embedding based post-filtering for speech enhancement," Journal of Information Science and Engineering, vol. 34, pp. 1493–1516, 2018.

[3] P. L. Tobing, Y.-C. Wu, T. Hayashi, K. Kobayashi, and T. Toda, "Voice conversion eith cycleRNN-based spectral mapping and finely tuned WaveNet vocoder," IEEE Access, vol. 7, pp. 171114–171125, Apr. 2019.

[4] Y.-C. Wu, P. L. Tobing, K. Kobayashi, T. Hayashi, and T. Toda, "Non-parallel voice conversion system with WaveNet vocoder and collapsed speech suppression," IEEE Access, vol. 8, pp. 62094–62106, Apr. 2020.

[5] Y.-C. Wu, T. Hayashi, P. L. Tobing, K. Kobayashi, and T. Toda, "Quasi-Periodic WaveNet: an autoregressive raw waveform generative model with pitch-dependent dilated convolution neural network," IEEE/ACM Transactions on Audio, Speech, and Language Processing, 2020. (Under review)

[6] Y.-C. Wu, T. Hayashi, T. Okamoto, H. Kawai, and T. Toda, "Quasi-Periodic Parallel WaveGAN: a non-autoregressive raw waveform generative model with pitch-dependent dilated convolution neural network," IEEE/ACM Transactions on Audio, Speech, and Language Processing, 2020. (Under review)

[7] X. Wang, J. Yamagishi, M. Todisco, H. Delgado, A. Nautsch, N. Evans, M. Sahidullah, V. Vestman, T. Kinnunen, K.A. Lee, L. Juvela, P. Alku, Y.-H. Peng, H.-T. Hwang, Y. Tsao, H.-M. Wang, S. Le Maguer, M. Becker, F. Henderson, R. Clark, Y. Zhang, Q. Wang, Y. Jia, K. Onuma, K. Mushika, T. Kaneda, Y. Jiang, L.-J. Liu, Y.-C. Wu, W.-C. Huang, T. Toda, K. Tanaka, H. Kameoka, I. Steiner, D. Matrouf, J.-F. Bonastre, A. Govender, S. Ronanki, J.-X. Zhang, Z.-H. Ling, "ASVspoof 2019: a large-scale public database of synthetic, converted and replayed speech," Computer Speech and Language, Vol. 64, Article 101114, 25 pages, Nov. 2020.

International Conferences

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[4] Y.-C. Wu, H.-T. Hwang, S.-S. Wang, C.-C. Hsu, Y.-H. Lai, Y. Tsao, and H.-M. Wang, "A locally linear embedding based postfiltering approach for speech enhancement," Proc. ICCASP, pp. 5555–5559, Mar. 2017.

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