

# Yuki SAITO

Room #141, Eng. bldg. #6, 7-3-1 Hongo, Bunkyo, Tokyo 113-8656, Japan

E-mail: [yuuki\\_saito@ipc.i.u-tokyo.ac.jp](mailto:yuuki_saito@ipc.i.u-tokyo.ac.jp), Website: <http://sython.org/>

## RESEARCH INTERESTS

---

Machine learning, signal processing, and speech synthesis

## EDUCATIONAL BACKGROUNDS

---

- Mar. 2018 M.S. degree in Information Science and Technology, Department of Creative Informatics, Graduate School of Information Science and Technology, The University of Tokyo, Japan
- Mar. 2014 B.S. degree in Engineering, Advanced Course of Electronic and Information Systems Engineering, National Institute of Technology, Kushiro College, Japan
- Mar. 2012 A.S. degree in Engineering, Department of Information Engineering, National Institute of Technology, Kushiro College, Japan

## RESEARCH AND WORK EXPERIENCES

---

- Apr. 2018—Mar. 2021 Research fellow (DC1) of Japan Society for the Promotion of Science, Japan
- Aug. 2017—Oct. 2017 Short-time researcher in NTT Media Intelligence Laboratories, NTT Corporation, Japan
- Aug. 2016—Sep. 2016 Short-time researcher in NTT Communication Science Laboratories, NTT Corporation, Japan

## VOLUNTEER WORKS

---

- Mar. 2017—Current Students and Young Researchers Forum of The Acoustical Society of Japan (ASJ), Japan (an official organization of ASJ)

## AWARDS

---

- Mar. 2018 The 34th Telecom System Technology Student Award, The Telecommunication Advancement Foundation (TAF)
- Nov. 2017 The 1st IEEE Signal Processing Society (SPS) Tokyo Joint Chapter Student Award
- Mar. 2017 The 14th Best Student Presentation Award of Acoustical Society of Japan (ASJ)
- Mar. 2017 Spoken Language Processing Student Grant Award of IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)
- Jan. 2017 The Information and Science Society (ISS) Student Poster Award of the Institute of Electronics, Information and Communication Engineers (IEICE)
- Feb. 2016 Graduation Research Award, Advanced Course of Electronic and Information

Systems Engineering, National Institute of Technology, Kushiro College  
Mar. 2014 Dean's Award, Department of Information Engineering, National Institute of  
Technology, Kushiro College

## LANGUAGES

---

Japanese (native) and English (conversant)

## COMPUTER SKILLS

---

Programming Python, C, C#, C++, R, Java, JavaScript, Scheme, Matlab

Web design Html, CSS

Other LaTeX, Word, Excel, PowerPoint, Unity

## PUBLICATIONS

---

### Original Journal Papers

1. **Yuki Saito**, Shinnosuke Takamichi, and Hiroshi Saruwatari, "Statistical parametric speech synthesis incorporating generative adversarial networks," *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, vol. 26, no. 1, pp. 84—96, Jan. 2018. [[the most popular article in Dec. 2017, Jan. 2018, and Feb. 2018, The 34th Telecom System Technology Student Award, The Telecommunication Advancement Foundation \(TAF\)](#)]
2. **Yuki Saito**, Shinnosuke Takamichi, and Hiroshi Saruwatari, "Voice conversion using input-to-output highway networks," *IEICE Transactions on Information and Systems*, vol. E100-D, no. 8, pp. 1925—1928, Aug. 2017.

### Peer-Reviewed International Conference Proceedings

1. **Yuki Saito**, Yusuke Ijima, Kyosuke Nishida, and Shinnosuke Takamichi, "Non-parallel voice conversion using variational autoencoders conditioned by phonetic posteriorgrams and d-vectors," *Proceedings of The IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, pp. xx—xx, Alberta, Canada, Apr. 2018. (accepted, SP-P6)
2. **Yuki Saito**, Shinnosuke Takamichi, and Hiroshi Saruwatari, "Text-to-speech synthesis using STFT spectra based on low-/multi-resolution generative adversarial networks," *Proceedings of The IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, pp. xx—xx, Alberta, Canada, Apr. 2018. (accepted, SP-P6)
3. Hiroyuki Miyoshi, **Yuki Saito**, Shinnosuke Takamichi, and Hiroshi Saruwatari, "Voice conversion using sequence-to-sequence learning of context posterior probabilities," *Proceedings of INTERSPEECH*, pp. 1268—1272, Stockholm, Sweden, Aug. 2017.
4. **Yuki Saito**, Shinnosuke Takamichi, and Hiroshi Saruwatari, "Training algorithm to deceive anti-spoofing verification for DNN-based speech synthesis," *Proceedings of The 42nd IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, pp. 4900—4904, New Orleans, U.S.A., Mar. 2017. [[Spoken Language Processing Student Grant Award](#)]
5. **Yuki Saito**, and Hiroshi Tenmoto, "Construction of highly interpretable classification rule

based on linear SVM,” Proceedings of International Symposium on Technology for Sustainability (ISTS), Taipei, Taiwan, Nov. 2014.