Takaaki Saeki

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Profile

I am researching on statistical voice conversion as a member of Saruwatari and Koyama Lab., The University of Tokyo.
My homepage is `https://takaaki-saeki.github.io`.

Research interests

Voice conversion, text-to-speech synthesis, machine learning, and signal processing

Education

- **M.S. degree in Information Science and Technology**
  Graduate school of Information Science and Technology, The University of Tokyo, Japan *2019-**current***
- **B.S. degree in Engineering**
  Department of Aeronoutics and Astronautics, The University of Tokyo, Japan *2019*

Languages

Japanese (native) and English (conversant)

Research and work experiences

- **Research assistant**
  Graduate School of Information Science and Technology, The University of Tokyo, Japan *2019–**current***
  "Stress-free, real-time, and full-band voice conversion based on perceptual models," executed under the Commissioned Research of MIC SCOPE 182103104, Representative: Shinnosuke Takamichi
- **Teaching assistant**
  Graduate School of Information Science and Technology, The University of Tokyo, Japan *2019*
  I taught how to build audio-based interaction systems in "Project Practice" lecture.
- **Research intern**
  NEC Data Science Research Laboratories, Japan *2019*
  I researched on acoustic signal processing (Supervisor: Dr. Osamu Hoshuyama).
- **Part-time engineer**
  Recruit Co., Ltd., Japan *2019*
  I analyzed user data and developed a recommendation engine for an app.
- **Data engineering intern**
  Recruit Technologies Co., Ltd., Japan *2019*
  I analyzed user data and developed a recommendation engine for an app.
- **Part-time engineer**
  Delight Inc., Japan *2017–2019*
  I developed a prototype program for numerical calculation of fluid flow .

Publications

International conference

1. Takaaki Saeki, Yuki Saito, Shinnosuke Takamichi, Hiroshi Saruwatari, "Real-time, Full-band, Online DNN-based Voice Conversion System Using A Single CPU," Proc. INTERSPEECH, Shanghai, China, Oct. 2020.
2. Naoki Kimura, Zixiong Su, Takaaki Saeki, "End-to-end Deep Learning Speech Recognition Model for Silent Speech Challenge," Proc. INTERSPEECH, Shanghai, China, Oct. 2020.
3. Takaaki Saeki, Yuki Saito, Shinnosuke Takamichi, Hiroshi Saruwatari, "Lifter Training and Sub-band Modeling for Computationally Efficient and High-Quality Voice Conversion Using Spectral Differentials," Proc. ICASSP, pp. 7784–7788, Barcelona, Spain, May 2020.