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, 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 Aeronautics 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, "Lifter training and sub-band modeling for computationally efficient and high-quality voice conversion using spectral differentials," Proc. ICASSP, Barcelona, Spain, May 2020. (ACCEPTED)

Dissertation

1. Takaaki Saeki (Supervisor: Prof. Kimiya Komurasaki), "Experimental evaluation of the dependence of plasma density on gas species behind laser supported detonation wave," B.E. Thesis, The University of Tokyo, 2019.