

Kentaro ONDA

Master's student in engineering, The University of Tokyo, Tokyo, Japan
 Email: ondakentaro@gavo.t.u-tokyo.ac.jp, Website: <https://ondatk68.github.io/en/>

RESEARCH INTERESTS

Spoken language processing, speech tokenization, self-supervised learning, human perception, foreign accent

EDUCATION

The University of Tokyo, Tokyo, Japan Apr. 2026 (expected) — Mar. 2029 (expected)
 Ph.D. in Electrical Engineering and Information Systems
 Supervisor: Prof. Nobuaki Minematsu

The University of Tokyo, Tokyo, Japan Apr. 2024 — Mar. 2026 (expected)
 M.E. in Electrical Engineering and Information Systems
 Supervisor: Prof. Nobuaki Minematsu

The University of Tokyo, Tokyo, Japan Apr. 2020 — Mar. 2024
 B.E. in Information and Communication Engineering
 Supervisor: Prof. Nobuaki Minematsu

PUBLICATIONS

Peer-Reviewed International Conferences

1. **Kentaro Onda**, Hayato Futami, Yosuke Kashiwagi, Emiru Tsunoo, Shinji Watanabe, “Phonological Tokenizer: Prosody-aware Phonetic Token via Multi-objective Fine-tuning with Differentiable K-means,” Proc. ICASSP 2026, pp. xx-xx (ACCEPTED)
2. **Kentaro Onda**, Satoru Fukayama, Daisuke Saito, Nobuaki Minematsu, “Advanced Modeling of Interlanguage Speech Intelligibility Benefit with L1-L2 Multi-task Learning Using Differentiable K-means for Accent-robust Discrete Token-based ASR,” Proc. ICASSP 2026, pp. xx-xx (ACCEPTED)
3. **Kentaro Onda**, Satoru Fukayama, Daisuke Saito, Nobuaki Minematsu, “Benchmarking Prosody Encoding in Discrete Speech Tokens,” Proc. ASRU 2025, pp. xx-xx
4. **Kentaro Onda**, Keisuke Imoto, Satoru Fukayama, Daisuke Saito, Nobuaki Minematsu, “Discrete Tokens Exhibit Interlanguage Speech Intelligibility Benefit: an Analytical Study Towards Accent-robust ASR Only with Native Speech Data,” Proc. Interspeech 2025, pp. 221-225
5. **Kentaro Onda**, Keisuke Imoto, Satoru Fukayama, Daisuke Saito, Nobuaki Minematsu, “Prosodically Enhanced Foreign Accent Simulation by Discrete Token-based Resynthesis Only with Native Speech Corpora,” Proc. Interspeech 2025, pp. 2195-2199
6. **Kentaro Onda**, Yosuke Kashiwagi, Emiru Tsunoo, Hayato Futami, Shinji Watanabe, “Differentiable K-means for Fully-optimized Discrete Token-based ASR,” Proc. Interspeech 2025, pp. 1223-1227
7. **Kentaro Onda**, Joonyong Park, Nobuaki Minematsu, Daisuke Saito, “A Pilot Study of GSLM-based Simulation of Foreign Accentuation Only Using Native Speech Corpora,” Proc. Interspeech 2024, pp. 3600-3604

Abstract-reviewed Conferences (no proceedings)

1. **Kentaro Onda**, Joonyong Park, Daisuke Saito, Nobuaki Minematsu, “Simulation of Foreign Accentuation by Discrete Symbol-based Resynthesis Using Only Native Speech Corpora,” Eighth International Workshop on Symbolic-Neural Learning (SNL2024), Tokyo, Japan

AWARDS

Encouragement Award Dec., 2025
 from Information Processing Society of Japan (IPSJ) SIG-SLP & SIG-NLP

Best Student Presentation Award Sep., 2025
 from the Acoustical Society of Japan (ASJ)

Travel Grant Award for Interspeech2025, 1,000 EUR Aug., 2025
 from the International Speech Communication Association (ISCA)

2024 Otogaku Symposium Best Presentation Award Jun., 2024
 from Information Processing Society of Japan (IPSJ) SIG-SLP

COMPETITIVE FUNDS

ACT-X , 4,500,000 JPY <i>from Japan Science and Technology Agency (JST)</i> Representative: <u>Kentaro Onda</u>	Oct., 2025 — Mar. 2028
KAKUSEI Project , 3,000,000 JPY <i>from National Institute of Advanced Industrial Science and Technology (AIST)</i> Representative: <u>Kentaro Onda</u>	Jul., 2024 — Mar. 2025
MITOU Advanced Program , 15,040,000 JPY (Development grant) <i>from Information-technology Promotion Agency (IPA)</i> Representative: Masatoshi Otake	Jun., 2024 — Feb. 2025

PAPER REVIEWS

TASLP: 2025

RESEARCH EXPERIENCE

Research Internship , Sony Group Corporation – Tokyo, Japan Mentor: Yosuke Kashiwagi	Sep. 2024 — Present
Research Assistant , National Institute of Advanced Industrial Science and Technology (AIST) – Tokyo, Japan Mentor: Satoru Fukayama	Jul. 2024 — Present

OTHER EXPERIENCES

AI Engineer , DubGuild, Inc. – Tokyo, Japan	Oct. 2024 — Present
Software Engineer Internship , MIXI, Inc. – Tokyo, Japan	Oct. 2024 — Oct. 2024
Backend Engineer , Wantedly, Inc. – Tokyo, Japan	Sep. 2023 — Jul. 2024

LANGUAGES

Japanese (Native), English (Fluent)

SKILLS

Programming: Python, Shell Script, Ruby, Go, JavaScript, C, C++, Julia

Web design: HTML, CSS

Other: LaTeX, Git, Microsoft Office, PyTorch, ESPnet