

CURRICULUM VITAE

Ryuki Matsuura

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(Last updated: 1 June 2026)

EDUCATION

- | | |
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| 2024 – Current | Ph.D. in Applied Linguistics, Carnegie Mellon University, Japan
Full funding
Supervisor: Rémi Adam van Compernelle |
| 2022 – 2024 | M.A. in Engineering, Waseda University, Japan
Supervisor: Tetsuji Ogawa
Thesis: <i>Investigating the Relationship between Interference with Comprehensibility and Lexical Errors: Focusing on Discourse Roles</i> |
| 2018 – 2019 | Student Exchange Program, St. Petersburg State University, Russia |
| 2017 – 2021 | B.A. in International Liberal Studies, Waseda University, Japan
Supervisor: Satoshi Inaba
Thesis: <i>The Accuracy of Japanese Speech Recognition by CTC and Various Features</i> |

RESEARCH SKILLS

Disciplinary Knowledge

- Automated Speech Assessment
- L2 Oral Fluency
- Diagnostic Assessment

Research Method and Statistical Analysis

- Automatic Speech Feature Annotation
- Multilevel Regression / Longitudinal Analysis / Mixed-Effects Modeling
- Multiple Imputation
- Rasch Analysis / IRT
- Speech Data Analysis / Natural Language Processing
- Online Data Collection

Programming/Frameworks

- Python
- R (Quarto / rmarkdown)
- HTML / CSS / PHP / JavaScript
- AI/LLM (OpenAI API / Local LLM / LLM-as-a-judge / Agent Development)
- Deep Learning Frameworks (PyTorch / Hugging Face / ESPnet)
- NLP Frameworks (spaCy / NLTK / stanza)
- ASR API (rev.ai / Whisper)
- e-learning Frameworks (xAPI / LTI)
- UI (Flet / Figma)

Software and Platforms

- MAXQDA
- Praat
- JASP
- Qualtrics

Languages

- Japanese (L1)
- Russian (B2 level in CEFR)
- English (TOEFL iBT 100)

PUBLICATION

Articles in Refereed Journals

Arai, Y., Matsuura, R., Eguchi, M., & Suzuki, S. (2026) Tracking the Longitudinal Change of Flow Experience in an EFL Conversation Course. The Journal for the Psychology of Language Learning. <https://www.jppll.org/index.php/journal/article/view/253>

Takatsu, H., Suzuki, S., Eguchi, M., Matsuura, R., Saeki, M., & Matsuyama, Y. (2026). Gnowsis: Multimodal Multitask Learning for Oral Proficiency Assessments. Computer Speech & Language. <https://www.sciencedirect.com/science/article/pii/S0885230825000853>

Suzuki, S., Takatsu, H., Matsuura, R., Koyama, M., Saeki, M., & Matsuyama, Y. (2025). Feedforwarding Diagnostic Language Assessment: AI-Driven Weakness Identification and Contextualised Feedback for L2 Speaking. Language Testing. <https://doi.org/10.1177/02655322251348725>

Matsuura, R., Suzuki, S., Takizawa, K., Saeki, M., & Matsuyama, Y. (2025). Gauging the Validity of Machine Learning-Based Temporal Feature Annotation to Measure Fluency in Speech Automatically. Research Methods in Applied Linguistics, 4(1), 1–23. <https://doi.org/10.1016/j.rmal.2024.100177>

Articles in Refereed Conference Proceedings

Head, P., Yamane, N., & Matsuura, R. (2026). The Impact of Shadowing on Objective Measures of Fluency and f0. *Proc. of 6th International Symposium on Applied Phonetics*.

Warner, I. N., Kim, S., Zhao, T., Matsuura, R., & Wiener, S. (2026). An Exploratory Eye-Tracking Study into the Time Course of Sincere and Sarcastic Speech Recognition. *Proc. of Speech Prosody 2026*.

Matsuura, R., Bharadwaj, S., Liu, J., & Govindarajan, D. K. (2025). EmoNews: A Spoken Dialogue System for Expressive News Conversations. *Proc. of SigDIAL 2025*.
<https://arxiv.org/abs/2506.13894>

Saeki, M., Takatsu, H., Kurata, F., Suzuki, S., Eguchi, M., Matsuura, R., Takizawa, K., Yoshikawa, S., & Matsuyama, Y. (2024). InteLLA: Intelligent Language Learning Assistant for Assessing Language Proficiency Through Interviews and Roleplays. *Proc. of SIGDIAL 2024*. doi: <https://aclanthology.org/2024.sigdial-1.34>

Matsuura, R. & Suzuki, S. (2023). Prompt-independent Automated Scoring of L2 Oral Fluency by Capturing Prompt Effects. *Proc. of Artificial Intelligence in Education (AIED)*. doi: https://doi.org/10.1007/978-3-031-36272-9_62

Matsuura, R., Suzuki, S., Saeki, M., Ogawa, T., & Matsuyama, Y. (2022). Refinement of Utterance Fluency Feature Extraction and Automated Scoring of L2 Oral Fluency with Dialogic Features. *Proc. of Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)*. 1312-1320. doi: 10.23919/APSIPAASC55919.2022.9980148

Articles in Non-Refereed Journals and Conference Proceedings

Matsuura, R. & Murao, R. (2026). Beyond Single Words and Fixed Phrases: Developing a Verb–Construction Analysis Tool and Frequency Lists. SSRN. doi: <https://ssrn.com/abstract=6819109> or <http://dx.doi.org/10.2139/ssrn.6819109>

Matsuyama, Y., Saeki, M., Takatsu, H., Matsuura, R., Kurata, F., & Suzuki, S. (2023). InteLLA: Dialog-based English speaking assessment agent that elicits learner's language ability. *Journal of ASJ*. 79(3), 162-169. (松山洋一, 佐伯真於, 高津弘明, 松浦瑠希, 倉田楓真, 鈴木駿吾. (2023). 学習者の能力を引き出す言語運用能力判定エージェント InteLLA の開発と運用. *日本音響学会誌*. 79(3), 162-169.)

Matsuura, R., Suzuki, S., Saeki, M., Fujie, S., Ogawa, T., & Matsuyama, Y. (2022). Automated Scoring of L2 Oral Fluency Using Dialogic Features. *Proc. of Sound Symposium*. 2022-SLP-142(47), 1-6. (松浦瑠希, 鈴木駿吾, 佐伯真於, 藤江真也, 小川哲司, 松山洋一. (2022). 対話特徴を用いた第二言語発話の流暢性自動採点. *音学シンポジウム*. 2022-SLP-142(47), 1-6.)

Matsuura, R., Suzuki, S., Saeki, M., Ogawa, T., & Matsuyama, Y. (2022). Automated scoring of L2 fluency based on detection of disfluency words and pause locations. *Proc. of the Acoustical Society of Japan (ASJ)*. 1351-1354. (松浦瑠希, 鈴木駿吾, 佐伯真於, 小川哲司, 松山洋一. (2022). 言い淀みとポーズ位置検出に基づく第二言語発話の流暢性自動採点. *日本音響学会研究発表会講演論文集*. pp.1351-1354.)

Saeki, M., Matsuura, R., Suzuki, S., Miyagi, K., Kobayashi, T., Matsuyama, Y. (2021). InteLLA: A Speaking Proficiency Assessment Conversational Agent with Adaptive Interview

Strategy. *Papers of the special interest group on Spoken Language Understanding and Dialogue processing (SIG-SLUD)*. 93, 15-20. (佐伯真於, 松浦瑠希, 鈴木駿吾, 宮城琴佳, 小林哲則, 松山洋一. (2021). *InteLLA: 適応的な質問戦略を有するスピーキング能力判定会話エージェント*. 人工知能学会研究会資料 言語・音声理解と対話処理研究会. 93 巻, 15-20.) (**The Japanese Society of Artificial Intelligence Incentive Award**)

PRESENTATION

Invited Talks

Matsuura, R. (2026, May). Exploring Emotion in L2 Dialogue: From Interpersonal Emotion Regulation to AI Support. Public Meeting of LET-FMT-SIG «Emotion Day № 6» (Zoom).

Matsuura, R. (2025, May). The Development and Evaluation of an Automatic Fluency Annotation System. 8th Language Learning Assessment Group Meeting, University of Tsukuba. (松浦瑠希, (2025, 5 月). 流暢性自動アノテーションシステムの開発と評価. 第 8 回言語学習評価研究会, 筑波大学.

Matsuura, R. (2025, May). The Utilization of an Automatic Fluency Annotation System (Workshop). 8th Language Learning Assessment Group Meeting, University of Tsukuba. (松浦瑠希, (2025, 5 月). 流暢性自動アノテーションシステムの活用 (ワークショップ). 第 8 回言語学習評価研究会, 筑波大学.

Suzuki, S., Saeki, M., & Matsuura, R. (2023, June). Pedagogical potential of multimodal conversational AI for foreign language learning and assessment. Korean PhD students and researchers in the UK (KRUK) (Zoom).

Suzuki, S., Saeki, M., & Matsuura, R. (2022, July). Development of Online Language Learning Assistant AI System that Grows with Humans. International Collaborative Practice S V: Computer-Assisted Language Learning, University of Tokyo.

Suzuki, S. & Matsuura, R. (2022, February). L2 oral fluency: From the construct definition to automated scoring. Applied Linguistics Research Circle Weekly Talk, University of Reading (Zoom).

Refereed Paper and Poster Presentations

Matsuura, R., & van Compernelle, Rémi A. (2025, March) Pragmatic Instruction Beyond English: A Qualitative Synthesis of Instructional Effects in L2 Japanese Pragmatics. AAAL. Chicago, US.

Konishi, T., Mukai, Y., Suzuki, S., Hitomi, K., Matsuura, R., & Kanzawa, K. (2025, Sep.) Investigating Effects of Speech Fluency and Rhythm in English on Japanese Learners' Task Delivery Scores. SLRF. Flagstaff, US.

Murao, R., Matsuura, R., Webb, S., & Boers, F. (2025, June). Exploring Frequency Effects on EFL Learners' Syntactic Knowledge of High-Frequency Verbs. EuroSLA. Tromsø, Norway.

Murao, R., Matsuura, R., Webb, S., & Boers, F. (2025, June). Mastering High-Frequency Verbs: Effects of Frequency and Proficiency on the Acquisition of Verb Subcategorization Frames. Vocab@Marryland, Marryland, US.

Matsuura, R. (2025, March). Uncovering the Power of Dialogic Task Repetition: Focusing on L2 Fluency Development. AAAL. Denver, US.

Custance, I. & Matsuura, R. (2025, March). The Longitudinal Impact of Reflective Post-Tasks on Fluency Development in Monologic Impromptu Speeches. AAAL. Denver, US.

Koyama, M., Suzuki, S., & Matsuura, R. (2025, March). Exploring Cognitive Processes Underlying Pauses and Disfluency Phenomena: A Mixed-Methods Study. AAAL. Denver, US.

Matsuura, R., Suzuki, S., Eguchi, M., Saeki, M., & Matsuyama, Y. (2024, August). Which Lexical Errors Trigger Recasts? Differential Effects of the Rhetorical Role on Dialogic Comprehensibility. *AILA*. Kuala Lumpur, Malaysia.

Suzuki, S., Takatsu, H., Matsuura, R., Saeki, M., Arai, Y., & Matsuyama, Y. (2024, July). You may say this better: Consequential validity evidence for diagnostic speaking assessment on lexical use. *LTRC*. Innsbruck, Austria.

Sawaki, Y., Arai, Y., Eguchi, M., Matsuura, R., Suzuki, S., & Matsuyama, Y. (2024, July). Building an argument for test score interpretation and use for a fully automated online assessment of L2 spoken interaction. *LTRC*. Innsbruck, Austria.

Suzuki, S., Matsuura, R., Inada, Y., Saeki, M., & Matsuyama, Y. (2023, July). What temporal and dialogic features distinguished between second language oral proficiency levels? The case of oral proficiency interview. *AILA*. Lyon, France.

Matsuura, R. & Suzuki, S. (2023, July). Prompt-independent Automated Scoring of L2 Oral Fluency by Capturing Prompt Effects. *AIED*. Tokyo, Japan.

Matsuura, R. (2023, June). Developing and validating automatic annotation system of silent pause locations and disfluency words. *LTRC*. New York City, USA.

Matsuyama, Y., Suzuki, S., Saeki, M., Takatsu, H., Matsuura, R., & Arai, Y. (2023, June). Towards an explainable automated scoring of spoken interaction with a conversational AI agent. In J. Eunice, & Y. Sawaki. (Convenors), *Technology in Diagnostic and Formative Language Assessment: Friend or Foe?* *LTRC*. New York City, USA.

Matsuura, R., Suzuki, S., Saeki, M., Ogawa, T., & Matsuyama, Y. (2022, November). Refinement of Utterance Fluency Feature Extraction and Automated Scoring of L2 Oral Fluency with Dialogic Features. *APSIPA ASC*. Chiang-Mai, Thailand.

Suzuki, S., Matsuura, R., Saeki, M., & Matsuyama, Y. (2022, August). How is dialogic fluency different from monologic fluency? The case of oral proficiency interview. *TBLT*. Innsbruck, Austria.

Suzuki, S., Matsuura, R., Saeki, M., & Matsuyama, Y. (2022, August). What temporal features distinguish between second language oral proficiency levels? The case of Japanese learners of English. Accepted for presentation at the 31st annual conference of the European Second Language Association (EUROSLA), Fribourg, Switzerland.

Suzuki, S., Matsuura, R., Saeki, M., & Matsuyama, Y. (2022, March). Revisiting the assessment potential of read-aloud speech performance: Cognitive validity and predictive validity. *LTRC*. Tokyo, Japan.

Non-Refereed Paper and Poster Presentations

Matsuura, R. (2023, October). Automated Scoring of L2 Oral Fluency in Dialogue: Refining of Fluency Feature Extraction & Incorporating Dialogic Features. *International Workshop of Speech assessment and native and non-native linguistic variation: trends and methods*.

Matsuura, R., & Suzuki, S. (2022, December). Automated Scoring of L2 Oral Fluency Based on Speech Production Model. *Conference of Transdisciplinary Federation of Science and Technology (traFST)*. (松浦瑠希, 鈴木駿吾. (2022, December). 発話産出モデルに基づく第二言語発話の流暢性自動採点. 横幹連合コンファレンス). Tokyo, Japan.

Matsuura, R., Suzuki, S., Saeki, M., Fujie, S., Ogawa, T., & Matsuyama, Y. (2022, June). Automated Scoring of L2 Oral Fluency Using Dialogic Features. *Sound Symposium*. (松浦瑠希, 鈴木駿吾, 佐伯真於, 藤江真也, 小川哲司, 松山洋一. (2022, June). 対話特徴を用いた第二言語発話の流暢性自動採点. 音学シンポジウム). Tokyo, Japan. (**Sponsorship Award**).

Matsuura, R., Suzuki, S., Saeki, M., Ogawa, T., & Matsuyama, Y. (2022, March). Automated scoring of L2 fluency based on detection of disfluency words and pause locations. *Spring Meeting of ASJ*. (松浦瑠希, 鈴木駿吾, 佐伯真於, 小川哲司, 松山洋一. (2022, March). 言い淀みとポーズ位置検出に基づく第二言語発話の流暢性自動採点. 日本音響学会研究発表会). Tokyo, Japan. (**Student Presentation Award**).

TEACHING EXPERIENCE

January 2026 – April 2026:

Instructor, Department of Languages, Cultures and Applied
Linguistics, Carnegie Mellon University, USA
- Instructed Introduction to Japanese Section B (82173B)

August 2025 – December 2025:

Instructor, Department of Languages, Cultures and Applied
Linguistics, Carnegie Mellon University, USA
- Instructed Elementary Japanese Section A (82171A)

April 2023 – August 2023: *Teaching assistant*, School of International Liberal Studies, Waseda
University, Japan
- Tutored 1st year students in introductory Statistics

September 2022 – March 2023:

Teaching assistant, Department of Fundamental Science and
Engineering, Waseda University, Japan.
- Tutored 1st year students in C programming

SCHOLARSHIPS

August 2024 – May 2028 (expected):

Dick Tucker SLA Fellowship.

- Amount awarded: (USD 2,500 per month).

April 2024 – March 2027:

Japan Society for the Promotion of Science Doctoral Course (DC) Research Fellowship.

- Amount awarded: JPY 7,200,000 (approx. USD 51,000).

- I declined the fellowship because I started a Ph.D. program outside Japan.

April 2022 – March 2024: *JPC Scholarship Foundation (JPC 奨学財団).*

- Amount awarded: JPY 720,000 (approx. USD 5,100).

April 2022 – March 2023: *Azusa Ono Memorial Scholarship.*

- Amount awarded: JPY 400,000 (approx. USD 2,840).

ACADEMIC & RESEARCH ACTIVITIES

Ad hoc Journal Reviewer

- Research Methods in Applied Linguistics, Elsevier (2026)
- Research Methods in Applied Linguistics, Elsevier (2025)
- Studies in Second Language Acquisition, Cambridge University Press. (2025)

WORK EXPERIENCE

April 2023 – March - 2024: *Research intern, ALT-BRIDGE TECHNOLOGY Inc., Japan*

- Research of chatbot to encourage continuous learning in MOOCs (commissioned work by JMOOC)

July 2022 – March 2023: *Research intern, Equumenopolis Inc., Japan*

- Research on automated L2 speech scoring and diagnosis (expected to apply for patent)

- Research of education related data logging for realization of GIGA School Program (commissioned work by Japan Digital Agency)

August 2022 – August 2022: *Application development intern, ELECS Inc., Japan*

- Development of a smartphone application using JavaScript

January 2022 – April 2022: *Research intern*, Poetics Inc., Japan

- Research on laughter detection

March 2021 – March 2022: *Application development & product research intern*, Technosolution Co., Ltd., Japan

- Redesign of the official website using WordPress
- Development of a login function for a smartphone application using Python
- Development and testing of an AI image recognition web application using HTML, CSS, JavaScript, and Python
- Research and planning of new services

November 2018 – June 2019: *Product research & event organization intern*, SAMI Japan Inc., Russia

- Survey of the Russian IT ecosystem
- Organization of the Japan and Russian IT consulting event