

Yasuaki Shinohara

Waseda University; The Graduate Center, City University of New York; University of Delaware

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EDUCATION

Sep 2010-Mar2014: University College London, London, UK

Department of Speech, Hearing and Phonetic Sciences

PhD in Speech, Hearing and Phonetic Sciences

Thesis title: *English /r/-/l/ Perceptual Training for Japanese Adults, Adolescents and Children.*

Sep 2008-Sep 2009: University College London, London, UK

Department of Speech, Hearing and Phonetic Sciences

MA in Phonetics: General Phonetics and Phonology, Experimental Phonetics, Phonetics and Phonology of English, Sociolinguistics and Dissertation

Dissertation title: *A Cross-Language Study of Glottal Stop Perception*

Apr 2004-Mar 2008: Waseda University, Tokyo, Japan

BA in Literature, GPA 3.9 on a scale of 4.0

Apr 2001-Mar 2004: Waseda University Honjo Senior High School, Saitama, Japan

RESEARCH INTERESTS

Cross-language speech perception and production, Phonetics and Phonology, Second language acquisition, Cognitive Neuroscience, Psycholinguistics,

ACADEMIC POSITIONS

Sep 2020-Present: Waseda University, Tokyo, Japan

Faculty of Commerce

Position: Associate Professor (tenured)

Teaching: Introduction to Phonetics and Phonology A, B, etc.

Aug 2022-Present: City University of New York, Graduate Center, New York, USA

Department of Speech-Language-Hearing Sciences

Position: Visiting Research Scholar

Sep 2018-Present: University of Delaware, Delaware, USA

Department of Linguistics and Cognitive Sciences

Position: Affiliated Associate Professor

Sep 2017- Aug 2018: University of Delaware, Delaware, USA

Department of Linguistics and Cognitive Sciences

Position: Affiliated Assistant Professor

Apr 2017-Aug 2020: Waseda University, Tokyo, Japan

Faculty of Commerce,

Position: Assistant Professor (tenured)

Teaching: Introduction to Phonetics and Phonology A, B, etc.

Apr 2016-Mar 2017: Hosei University, Tokyo, Japan

Department of Global and Interdisciplinary Studies

Position: Concurrent Lecturer

Teaching: Phonetics & Phonology

Apr 2014-Mar 2017: Waseda University, Tokyo, Japan

Faculty of Science and Engineering, Center for English Language Education in Science and Engineering,

Position: Assistant Professor (non-tenured)

Role: Course Coordinator of Communication Strategies 1, 2 (Apr 2016 – Mar 2017)

Sub-coordinator of Concept Building and Discussion 1, 2 (Apr 2015- Mar 2016)

Teaching: English Phonetics; Introduction to Statistics; Communication Strategies 1, 2; Concept Building and Discussion 1, 2

PUBLICATIONS

Papers:

- **Shinohara, Y.**, Han, C., & Hestvik, A. (2023). English vowel discrimination and perceptual assimilation by Japanese listeners. *Language and Speech*, 238309231209311. Advance online publication. DOI: 10.1177/00238309231209311
- **Shinohara, Y.**, Uchida, M., & Matsui, T. (2023). Perception of Japanese pitch accent by typically developing children and children with autism spectrum disorders. In: Radek Skarnitzl & Jan Volín (Eds.), *Proc. of the 20th International Congress of Phonetic Sciences* (pp. 231–235). Guarant International.
- Lee, A., **Shinohara, Y.**, Chiu, F., & Mut, T. C. (2023). Perception of vowel and consonant quantity contrasts by Cantonese, English, French and Japanese speakers. In: Radek Skarnitzl & Jan Volín (Eds.), *Proc. of the 20th International Congress of Phonetic Sciences* (pp. 2477–2481). Guarant International.
- **Shinohara, Y.**, Han, C., & Hestvik, A. (2022). Discriminability and prototypicality of nonnative vowels. *Studies in Second Language Acquisition*, 44(5), 1260–1278. DOI: 10.1017/S0272263121000978
- **Shinohara, Y.** (2022). Perception of noise-vocoded sine-wave speech of Japanese pitch-accent words. *JASA Express Letters*, 2(8), 085204. DOI: 10.1121/10.0013423
- Lee, A., **Shinohara, Y.**, & Mut, T. C. (2022). Non-native length contrast perception by Japanese and Cantonese speakers. *Proc. of Meetings on Acoustics*, 45, 060003. DOI: 10.1121/2.0001529
- **Shinohara, Y.**, & Iverson, P. (2021). The effect of age on English /r-/l/ perceptual training outcomes for Japanese speakers. *Journal of Phonetics*, 89, 101108. DOI: 10.1016/j.wocn.2021.101108
- **Shinohara, Y.** (2021). Audiovisual English /r-/l/ training for Japanese-speaking adults and children. *Journal of Speech, Language, and Hearing Research*, 64(7), 2529–2538. DOI: 10.1044/2021_JSLHR-20-00506
- Hestvik, A., **Shinohara, Y.**, Durvasula, K., Verdonshot, R., & Sakai, H. (2020). Abstractness of human speech sound representations. *Brain Research*, 1732, 146664. DOI: 10.1016/j.brainres.2020.146664 [The first two authors share first authorship]
- **Shinohara, Y.**, Han, C., & Hestvik, A. (2019). Effects of perceptual assimilation: The perception of English /æ/, /ʌ/, and /a/ by Japanese speakers. In Sasha Calhoun, Paola Escudero, Marija Tabain & Paul Warren (eds.) *Proc. the 19th International Congress of Phonetic Sciences*, Melbourne, Australia 2019 (pp. 2344-2348). ISBN 978-0-646-80069-1
- **Shinohara, Y.**, & Iverson, P. (2018). High variability identification and discrimination training for Japanese speakers learning English /r-/l/. *Journal of Phonetics*, 66, 242–251. DOI: 10.1016/j.wocn.2017.11.002
- **Shinohara, Y.** (2016). Audiovisual Training Effects for Japanese Children Learning English /r-/l/. *Proc. Interspeech 2016*, 204–207. DOI: 10.21437/Interspeech.2016.641
- **Shinohara, Y.**, & Iverson, P. (2015). Effects of English /r-/l/ perceptual training on Japanese children's production.

Proc. the 18th International Congress of Phonetic Sciences, article 540. ISBN: 978-0-85261-941-4

- **Shinohara, Y.**, & Iverson, P. (2013). Perceptual training effects on production of English /r/-/l/ by Japanese speakers. In J. Przedlacka, J. Maidment., & M. Ashby (Eds.), *Proc. the Phonetics Teaching and Learning Conference: PTLC2013*, 83–86. ISBN (eBook-PDF): 978-0-9926394-0-2
- **Shinohara, Y.**, & Iverson, P. (2013). Computer-based English /r/-/l/ perceptual training for Japanese children. *Proc. Meetings on Acoustics*, 19(1), 60049. DOI: 10.1121/1.4805599
- **Shinohara, Y.**, Huckvale, M., & Ashby, M. (2011). Differences in glottal stop perception between English and Japanese listeners. In W. E. Lee, & E. Zee (Eds.), *Proc. the 17th International Congress of Phonetic Sciences*, 1830–1833. ISBN: 978-962-442-341-9

Books:

- Sheppard, C., Fujii, M., Manalo, E., Masuda, H., Orita, N., Sakai, H., **Shinohara, Y.**, Tanaka-Ellis, N., & Ueno, Y. (2023). *Communication Strategies 1 (5th ed.)*. Tokyo: DTP Publishing.
- Sheppard, C., Fujii, M., Manalo, E., Masuda, H., **Shinohara, Y.**, Tanaka-Ellis, N., & Ueno, Y. (2017). *Communication Strategies 1 (4th ed.)*. Tokyo: DTP Publishing.
- Sheppard, C., Fujii, M., Manalo, E., Masuda, H., **Shinohara, Y.**, Tanaka-Ellis, N., & Ueno, Y. (2017). *Communication Strategies 2 (4th ed.)*. Tokyo: DTP Publishing.

PRESENTATIONS

- Oliveira, A., Kothari, Y., Bloder, T., **Shinohara, Y.**, Shafer, V., & Cunha, P. (2023, November). *Cross-linguistic differences in neural encoding and processing of stop consonants: the impact of language experience on attention allocation*. Neuroscience 2023, Washington, D. C., USA.
- **Shinohara, Y.** (2023, October). *Mismatch Negativity responses for phonemic representations and acoustic-phonetic realizations*. Invited talk to be given at the Department of Linguistics and Cognitive Sciences, University of Delaware, Delaware, USA.
- **Shinohara, Y.**, Uchida, M., & Matsui, T. (2023, August). *Japanese pitch-accent perception by typically developing children and children with autism spectrum disorders*. The 20th International Congress of Phonetic Sciences (ICPhS) 2023, Prague, Czech Republic.
- Lee, A., **Shinohara, Y.**, Chiu, F., & Mut, T. C. (2023, August). *Perception of vowel and consonant quantity contrasts by Cantonese, English, French and Japanese speakers*. The 20th International Congress of Phonetic Sciences (ICPhS) 2023, Prague, Czech Republic.
- Uchida, M., **Shinohara, Y.**, Matsui, T., Ikeda, K., Fujino, H., Tojo, Y., & Hakarino, K. (2023, July). *6 歳から 12 歳の子どもにおける音韻カテゴリ知覚の発達：弁別課題を用いて [Development of phoneme perception in children aged 6-12: Investigating with an auditory discrimination task]*. The Japanese Society for Language Sciences (JSLS) 2023: The 24th Annual International Conference, Tokyo, Japan.
- **Shinohara, Y.**, & Shafer, V. (2023, June). *Neural indices of acoustic-phonetic and phonological differences*. PhonoIEEGy 2, Amherst, Massachusetts USA.
- Kothari, Y., Durney, A., Bloder, T., Rinker, T., **Shinohara, Y.**, & Shafer, V. (2023, June). *Cross-Linguistic neural discrimination of stop consonant laryngeal features by Hindi, English and Romance-language speakers*. PhonoIEEGy 2, Amherst, Massachusetts USA.
- Lee, A., **Shinohara, Y.**, Chiu, F., & Mut, T. C. (2023, May). *Discrimination and identification of Japanese quantity contrasts by native Cantonese, English, French, and Japanese listeners*. Hanyang International Symposium on Phonetics

& Cognitive Sciences of Language 2023 (HISPhonCog 2023), Seoul, Korea.

- **Shinohara, Y.**, Uchida, M., & Matsui, T. (2023, May). *Japanese pitch-accent identification accuracy by children with autism spectrum disorder*. The 184th meeting of the Acoustical Society of America, Chicago, Illinois USA.
- **Shinohara, Y.** (2022, December). *Japanese pitch-accent perception of noise-vocoded sine-wave speech*. The 183rd meeting of the Acoustical Society of America, Nashville, Tennessee USA.
- Lee, A., **Shinohara, Y.**, & Mut, T. C. (2021, November). *Perception of non-native quantity contrasts by Cantonese and Japanese speakers*. The 181st meeting of the Acoustical Society of America, Seattle, Washington USA. (The Journal of the Acoustical Society of America, 150(4), A43–A43. DOI: 10.1121/10.0007568)
- Uchida, M., **Shinohara, Y.**, Matsui, T., Ikeda, K., Fujino, H., Tojo, Y., Hakarino, K. (2020, March). *自閉スペクトラム症児の音韻カテゴリー知覚 [Phonological category perception of children with autism spectrum disorder]*. The 31st Annual Meeting for the Japan Society of Developmental Psychology (JSDP 2020), Osaka, Japan.
- **Shinohara, Y.**, Han, C., & Hestvik, A. (2019, September). *Effects of perceptual assimilation and vowel peripheralality in perceiving non-native vowels*. New Sounds 2019, Tokyo, Japan.
- **Shinohara, Y.**, Han, C., & Hestvik, A. (2019, August). *Effects of perceptual assimilation: The perception of English /æ/, /ʌ/, and /a/ by Japanese speakers*. The 19th International Congress of Phonetic Sciences (ICPhS) 2019, Melbourne, Australia.
- **Shinohara, Y.** (2019, May). *Examination of theoretical models in second-language (L2) speech perception: The Perceptual Assimilation Model (PAM) and the Natural Referent Vowel (NRV) framework*. Research Workshop of Institute of Language and Speech Science, Tokyo, Japan.
- **Shinohara, Y.** (2018, December). *Effects of perceptual assimilation for Japanese speakers perceiving English vowels*. Invited talk given at the Department of Linguistics and Cognitive Sciences, University of Delaware, Delaware, USA.
- **Shinohara, Y.** (2018, July). *English /r/-/l/ perception for Japanese speakers: Training methods and age effects*. Invited talk given at the 33rd annual meeting of the Sophia Linguistic Society, Tokyo, Japan.
- **Shinohara, Y.**, Hestvik, A., Durvasula, K., & Sakai, H. (2018, June). *Asymmetric memory encoding for voicing contrasts across languages*. The 8th Mismatch Negativity Conference (MMN 2018), Helsinki, Finland.
- **Shinohara, Y.**, & Sakai, H. (2018, May). *Phonological representation of voicing contrasts and Mismatch Negativity*. 2018 Research Workshop of Institute of Language and Speech Science, Tokyo, Japan.
- **Shinohara, Y.**, & Sakai, H. (2018, April). *Underspecification and MMN asymmetry: Voicing contrasts in Japanese*. Brain Science of Language Inference and Thought (BLIT) Colloquium, Tokyo, Japan.
- **Shinohara, Y.**, Hestvik, A., Durvasula, K., Verdonschot, R., & Sakai, H. (2017, November). *Cross-linguistic differences in MMN asymmetry: Voicing underspecification in Japanese*. Society for the Neurobiology of Language (SNL) 2017, Baltimore, Maryland, USA.
- **Shinohara, Y.** (2017, September). *L2 phonetic perceptual training for Japanese speakers learning English /r/-/l/*. Invited talk given at the Department of Linguistics and Cognitive Sciences, University of Delaware, Delaware, USA.
- **Shinohara, Y.** (2016, December). *Influence of age-related factors on English /r/-/l/ audiovisual training for Japanese speakers*. The 5th Joint meeting of the Acoustical Society of America and the Acoustical Society of Japan, Hawaii, USA.
- **Shinohara, Y.** (2016, August). *Audiovisual Training Effects for Japanese Children Learning English /r/-/l/*. Interspeech 2016, San Francisco, US.
- **Shinohara, Y.** (2016, April). *Effects of audiovisual training on the English /r/-/l/ identification by Japanese adults and children*. Center for English Language Education in Science and Engineering Colloquium, Waseda University, Tokyo, Japan.

- **Shinohara, Y.**, & Iverson, P. (2015, August). *Effects of English /r-/l/ perceptual training on Japanese children's production*. The 18th International Congress of Phonetic Sciences, Glasgow, UK.
- **Shinohara, Y.** (2015, February). *Influence of age-related factors on second-language perceptual training*. Invited talk given at the 96th Kagamiyama Linguistics Colloquium, Hiroshima University, Hiroshima, Japan.
- **Shinohara, Y.** (2015, January). *Theories of second-language speech acquisition and training methods*. Invited lecture given at the Faculty of Foreign Languages (English Department), Daito Bunka University, Tokyo, Japan.
- **Shinohara, Y.** (2014, April). *Effects of English /r-/l/ perceptual training for Japanese adults, adolescents and children*. Center for English Language Education in Science and Engineering Colloquium, Waseda University, Tokyo, Japan.
- **Shinohara, Y.**, & Iverson, P. (2013, August). *Perceptual training effects on production of English /r-/l/ by Japanese speakers*. The Phonetics Teaching and Learning Conference: PTLC2013, London, UK.
- **Shinohara, Y.**, & Iverson, P. (2013, June). Computer-based English /r-/l/ perceptual training for Japanese children. *The 21st International Congress on Acoustics / The 165th Meeting of the Acoustical Society of America / The 52nd Meeting of the Canadian Acoustical Association*, Montréal, Canada.
- **Shinohara, Y.**, & Iverson, P. (2013, May). *Age effects on English /r-/l/ phonetic learning for Japanese speakers*. New Sounds 2013, Montreal, Canada.
- **Shinohara, Y.**, & Iverson, P. (2012, March). *Identification and discrimination training for English /r-/l/ perception by Japanese adults*. Bilingual & Multilingual Interaction, Bangor, UK.
- **Shinohara, Y.**, & Iverson, P. (2012, March). *Perceptual training for English /r-/l/ for adult Japanese listeners*. British Association of Academic Phoneticians, Leeds, UK.
- **Shinohara, Y.**, Huckvale, M., & Ashby, M. (2011, August). *Differences in glottal stop perception between English and Japanese listeners*. The 17th International Congress of Phonetic Sciences, Hong Kong, China.
- **Shinohara, Y.** (2010, March). *A cross-language study of glottal stop perception*. British Association of Academic Phoneticians, London, UK.

GRANTS

EXTERNAL RESEARCH FUNDING (Japan Society for the Promotion of Sciences)

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|----------------------------|---|
| Jun 2023 – Mar 2026 | <u>Principal Investigator</u> (2023-2026). Japan Society for the Promotion of Sciences (JSPS) Fund for the Promotion of Joint International Research (Fostering Joint International Research (A)), Project Title: Neural indices of phonemes and allophonic variants, Research Project Number: 22KK0195. Budget Amount: 12,870,000 JPY. |
| Apr 2023 – Mar 2026 | <u>Principal Investigator</u> (2023-2026). Japan Society for the Promotion of Sciences (JSPS) Grant-in-Aid for Scientific Research (C), Project Title: Investigating the relationship between auditory discrimination and word recognition using Japanese pitch accent, Research Project Number: 19K13169. Budget Amount: 3,900,000 JPY. |
| Apr 2019 – Mar 2024 | <u>Principal Investigator</u> (2019-2024). Japan Society for the Promotion of Sciences (JSPS) Grant-in-Aid for Early-Career Scientists, Project Title: Investigation of the differences between phonetic and phonemic perception using mismatch negativity (MMN) responses, Research Project Number: 19K13169. Budget Amount: 3,640,000 JPY. |
| Apr 2019 – Mar 2023 | <u>Co-Investigator</u> (2019-2023). Japan Society for the Promotion of Sciences (JSPS) Grants-in-Aid for Scientific Research (B), Project Title: 自閉スペクトラム症児の「聞き取り」と「読み取り」の困難さの要因を探る実証研究, Research Project Number: 19H01753. |

Budget Amount: 16,250,000 JPY.

Apr 2016 – Mar 2019 **Principal Investigator** (2016-2019). Japan Society for the Promotion of Sciences (JSPS) Grants-in-Aid for Encouragement of Young Scientists (B), Project Title: Japanese speakers' English vowel perception assessed by event-related potentials (ERPs), Research Project Number: 16K16884. Budget Amount: 2,730,000 JPY.

Aug 2014 – Mar 2016 **Principal Investigator** (2014-2016). Japan Society for the Promotion of Sciences (JSPS) Grants-in-Aid for Research Activity Start-up, Project Title: Second-language audiovisual training for Japanese children and adults, Research Project Number: 26884062. Budget Amount: 2,600,000 JPY.

INTERNAL RESEARCH FUNDING (Waseda University)

Apr 2022 – Mar 2023 **Principal Investigator** (2022/2023). Waseda University Grant for Special Research Project. Project Title: Perception of Japanese Pitch Accent. Project Number: 2022C-074.

Apr 2021 – Mar 2022 **Principal Investigator** (2021/2022). Waseda University Grant for Special Research Project. Project Title: Neural indices of vowel discrimination. Project Number: 2021C-107.

Apr 2020 – Mar 2021 **Principal Investigator** (2020/2021). Waseda University Grant for Special Research Project. Project Title: Phonemic recognition and Mismatch Negativity (MMN). Project Number: 2020C-159.

Apr 2019 – Mar 2021 **Principal Investigator** (2019/2020). Waseda University Grant for Special Research Project. Project Title: A study of the relationship between phonetic and phonemic perception. Project Number: 2019C-143.

Apr 2019 – Mar 2020 **Principal Investigator** (2019/2020). Waseda University Grant for Special Research Project. Project Title: A cross-language study of second-language speech perception. Project Number: 2019E-030.

Apr 2018 – Mar 2019 **Principal Investigator** (2018/2019). Waseda University Grant for Special Research Project. Project Title: Cross-language Vowel Perception. Project Number: 2018K-159.

Apr 2017 – Mar 2018 **Principal Investigator** (2017/2018). Waseda University Grant for Special Research Project. Project Title: ERP Evaluation for Second-Language Phonetic Perception. Project Number: 2017K-221.

Apr 2016 – Mar 2017 **Principal Investigator** (2016/2017). Waseda University Grant for Special Research Project. Project Title: English Phonetic Perception by Japanese Speakers. Project Number: 2016K-202.

AWARDS & COMPETITIVE SCHOLARSHIPS

May 2022: R.I.B.A. Research Award (Research Institute of Business Administration, Waseda University)

May 2021: R.I.B.A. Research Award (Research Institute of Business Administration, Waseda University)

May 2020: R.I.B.A. Research Award (Research Institute of Business Administration, Waseda University)

Apr 2020: WASEDA e-Teaching Good Practice Award (Waseda University)

May 2018: R.I.B.A. Research Award (Research Institute of Business Administration, Waseda University)

Sep 2010-Sep 2013: Japan Student Services Organization Scholarship for Studying Abroad (JASSO, Long Dispatch), ID: L10326890002

Feb 2013: Research Project Fund, University College London

- Sep 2008:** Departmental Studentship, University College London
May 2007: Okuma Memorial Scholarship, Waseda University
May 2006: Okuma Memorial Scholarship, Waseda University
May 2005: Okuma Memorial Scholarship, Waseda University

OTHER ACADEMIC & PROFESSIONAL ACTIVITIES

Referee Work:

- Studies in Second Language Acquisition, Reviewer (2023)
- Interspeech 2022 Technical Program Committee, Reviewer (2022)
- IEEE International Conference on Acoustics, Speech and Signal Processing, Reviewer (2021)
- Frontiers in Psychology, Review Editor in Cognition (2021)
- Frontiers Human Neuroscience, Reviewer (2021)
- Language & Speech, Reviewer (2020)
- Interspeech 2020 Technical Program Committee, Reviewer (2020)
- Speech Prosody 2020, Reviewer (2020)
- Interspeech 2019 Technical Program Committee, Reviewer (2019)
- Interspeech 2018 Technical Program Committee, Reviewer (2018)
- Journal of Acoustical Society of America Express Letters Reviewer (2017)
- PLOS ONE Reviewer (2015-2016)

Thesis Examiner:

- Cambridge University (UK) MPhil Thesis External Examiner (2022, 2018)
- Waseda University (Japan) PhD Thesis Associate Examiner (2019 – 2021)
- Waseda University (Japan) MA Thesis Associate Examiner (2018, 2020, 2021, 2022)

Organizing Conferences:

- The 162nd Meeting of the Linguistic Society of Japan, Local Organizing Committee (Jul 2019 – Jun 2021)
- New Sounds 2019, Local Organizing Committee (Dec 2017 - Sep 2019)
- Mental Architecture for Processing and Learning of Language (MAPLL) 2016, Local Organizer (2016)

Membership in Professional Associations/Societies:

- The Linguistic Society of Japan, Member (Jun 2021 – present)
- Acoustical Society of America, Associate Member (Aug 2017 – present)
- British Association of Academic Phoneticians, Member (Mar 2012 – present)
- The English Phonetic Society of Japan, Member (Dec 2014 – Mar 2018); Kanto Branch Committee Member (Jul 2015 – Jul 2017)

Public Role:

- Jul 2017 – Present** Education Ambassador (Isesaki Ambassador), Isesaki, Gunma JAPAN