Gyu-Ho Shin, Ph.D.

(last updated: May 2024)

Email: ghshin@uic.edu
gyuhoshin@gmail.com

ORCID: 0000-0002-8157-7148
Homepage: gyuhoshin.weebly.com

RESEARCH INTERESTS

Main Area Language Acquisition/Development (Usage-based Constructionist Approach & Emergentism); Psychology of Language; Cognitive Science; Computational Linguistics; Natural Language Processing; Corpus Linguistics

Current Focus Input–output relations in language acquisition/development; Interplay between linguistic knowledge and cognitive-psychological factors; Artificial Intelligence (with a focus on explainability & literacy); Neural network modelling

EMPLOYMENT

University of Illinois at Chicago
School of Literatures, Cultural Studies and Linguistics
Department of Linguistics
Assistant Professor in Computational Language Science (August 2023 ~)
Director of *Language, Cognition, and Computation* Lab (August 2024 ~)

Palacký University Olomouc
Faculty of Arts
Department of Asian Studies
Assistant Professor in Korean Linguistics (October 2020 ~ July 2023)
Director of *King Sejong Institute* Olomouc (May 2022 ~ July 2023)
Director of *Lab for Data and Technology* (October 2020 ~ June 2023)
Junior Researcher in Sinophone Borderlands (October 2020 ~ December 2022)

EDUCATION

University of Hawaiʻi at Mānoa
Ph.D. in Linguistics, May 2020
　Dissertation: *Connecting input to comprehension: First language acquisition of active transitives and suffixal passives by Korean-speaking preschool children* (chairperson: William O'Grady, Ph.D.)
M.A. En-Route in Linguistics, December 2018

2019 LSA Linguistic Institute (June ~ July 2019; University of California, Davis)
Courses taken: *Constructionist Approaches* (Adele Goldberg, Ph.D.)
　　　　　　　Advanced Statistics and Data Analysis (Santiago Barreda, Ph.D.)
　　　　　　　Computational Learning Theory (Vsevolod Kapatsinski, Ph.D.)
　　　　　　　Computational Psycholinguistics (Emily Morgan, Ph.D.)

Seoul National University
M.A. in English Language Education, February 2013
B.A. in English Language Education, August 2008 (*cum laude*)

PUBLICATIONS
(bold: corresponding author)

[Journal articles]

Shin, G-H., & Mun, S. (minor revision). *Modelling child comprehension: A case of suffixal passive construction in Korean.*

Chen, X., Shin, G-H. & Lee, J. (minor revision). *Exploring metapragmatics of politeness lexemes using a computational approach.*

Shin, G-H., Saad, G., & Kratochvíl, F. (major revision). *Comprehension–production asymmetry in child bilingual development: A case of (non-)reflexive possessive construction in Abui.*

Jung, B., **Shin, G-H.**, & Lee, C. (major revision). *Interactive roles of L1 properties and L2 textbook input for constructing L2 knowledge: Subject-predicate honorific agreement in Korean.*

Sung, H., & **Shin, G-H**. (R&R). *A new language model for second language: Analysis of morphosyntactic features in Korean.*

Shin, G-H. (under review). *'Good-enough' processing, home language proficiency, cognitive skills, and task effects for Korean heritage speakers' sentence comprehension.*

Shin, G-H., & Lee, C. (under review). *Heuristic processing takes precedence over algorithmic processing in sentence comprehension: Evidence from Korean.*

Shin, G-H. & Song, J. (under review). *Isomorphism and heritage speakers' sentence processing: Active transitive and suffixal passive constructions in Korean.*

Kim, H., & **Shin, G-H**. (under review). *The interplay of verbs and argument structure constructions in second language processing: Roles of verb's lexical properties and verb-construction association.*

Mun, S., & Shin, G-H. (under review). *Context window size and polysemy: A case of adverbial postposition -(u)lo in Korean.*

Yang, M., Shin, G-H., & Jung, B. K. (under review). *In the middle of somewhere: Cultural identity and conflicts of Korean heritage speakers in the United States.*

Shin, G-H. (in prep). *Verbs are sometimes redundant: Child comprehension of Korean active transitive construction.*

Shin, G-H. (in prep). *Interactive roles of home language proficiency, cognitive skills, and task types for heritage speakers' comprehension of subject–predicate honorific agreement in Korean.*

Shin, G-H., Jung, B. K., & Yang, M. (in prep). *Learning environment and learning outcome: A case of Korean subject–predicate honorific agreement.*

Mun, S., & **Shin, G-H**. (in prep). *How children distinguish caregiver input from other types of language exposure? A large-language-model-based simulation study.*

Shin, G-H., & Shin, J. (in press). Typological similarity is not always helpful: Second language processing of Korean dative construction. *Revista Española de Lingüística Aplicada/Spanish Journal of Applied Linguistics*

Shin, G-H., Jung, B. K., & Mun, S. (2024). Transformer-based text similarity and second language proficiency: A case of written production by learners of Korean. *Natural Language Processing Journal, 6*, 100060. https://doi.org/10.1016/j.nlp.2024.100060

Lee, C., **Shin, G-H.**, & Jung, B. K. (2023). *How 'good-enough' is second language comprehension? Morphological causative and suffixal passive constructions in Korean.* Applied Linguistics Review. https://doi.org/10.1515/applirev-2022-0152

Shin, G-H. & Mun, S. (2023). Explainability of neural networks for child language: Agent-First strategy in comprehension of Korean active transitive construction. *Developmental Science*, e13405. https://doi.org/10.1111/desc.13405

Shin, G-H., & Deen, K. (2023). One is not enough: Interactive role of word order, case marking, and verbal morphology in children's comprehension of suffixal passive in Korean. *Language Learning and Development, 19*(2), 188–212. https://doi.org/10.1080/15475441.2022.2050237

Shin, G-H., & Mun, S. (2023). Korean-speaking children's constructional knowledge about a transitive event: Corpus analysis and Bayesian modelling. *Journal of Child Language, 50*(2), 311–337. https://doi.org/10.1017/S030500092100088X

Kim, H., **Shin, G-H.**, & Sung, M. (2023). Constructional complexity as a predictor of Korean EFL learners' writing proficiency. *Revista Española de Lingüística Aplicada/Spanish Journal of Applied Linguistics*, *36*(2), 436–466. https://doi.org/10.1075/resla.20066.kim

Jung, B. K., & Shin, G-H. (2023). Use of a locative postposition-verb construction in Korean: Analysis of L1-Korean corpora and L2-Korean textbooks. *Corpora, 18(*1), 15–47. https://doi.org/10.3366/cor.2023.0271

Shin, G-H., & Park, S. (2023). Isomorphism and language-specific devices in comprehension of Korean suffixal passive construction by Mandarin-speaking learners of Korean. *Applied Linguistics Review, 14*(3), 503–531. https://doi.org/10.1515/applirev-2020-0036

Shin, G-H. (2022c). Automatic analysis of caregiver input and child production: Insight into corpus-based research on child language development in Korean. *Korean Linguistics, 18*(2), 125–158. https://doi.org/10.1075/kl.20002.shi

Shin, G-H. (2022b). Introduction. *Korean Linguistics, 18*(2), 121–124. https://doi.org/10.1075/kl.00001.int

Shin, G-H. (2022a). Awareness is one thing and mastery is another: Korean-speaking children's comprehension of a suffixal passive construction in Korean. *Cognitive Development, 62,* 101184. https://doi.org/10.1016/j.cogdev.2022.101184

Kim, H., & **Shin, G-H.** (2022). Effects of verb and construction frequency in sentence comprehension: A case of dative construction in Korean. *Functions of Language, 29*(3), 274–299. https://doi.org/10.1075/fol.22028.kim

Shin, G-H., & Jung, B. K. (2022). Input-output relation in L2 acquisition: Textbook and learner writing for adult English-speaking beginners of Korean. *Australian Review of Applied Linguistics, 45*(3), 347–370. https://doi.org/10.1075/aral.20049.shi

Jung, B. K., & Shin, G-H. (2022). Second language learners' use of constructional components: A case of Korean locative postposition-verb construction. *International Review of Applied Linguistics in Language Teaching*. https://doi.org/10.1515/iral-2022-0028

Shin, G-H. (2021). Limits on the Agent-First strategy: Evidence from children's comprehension of a transitive construction in Korean. *Cognitive Science, 45*(9), e13038. https://doi.org/10.1111/cogs.13038 ***top cited article (2021–2022, Wiley)***

Shin G-H., & Jung, B. K. (2021). Automatic analysis of learner corpora in Korean: Written production of Korean passive constructions for Mandarin-speaking learners of Korean. *International Journal of Learner Corpus Research, 7*(1), 53–82. https://doi.org/10.1075/ijlcr.20002.shi

Kim, H., & **Shin, G-H.** (2021). Effects of long-term language use experience in sentence processing: Evidence from Korean. *Journal of Psycholinguistic Research, 50*, 523–541. https://doi.org/10.1007/s10936-020-09737-0

Shin, G-H., & Kim, H. (2021). Roles of verb and construction cues in English and Korean sentence comprehension: Evidence from sentence-sorting paradigm. *Review of Cognitive Linguistics, 19*(2), 332–362. https://doi.org/10.1075/rcl.00087.shi

Shin, G-H. (2020). People also avoid repetition in sentence comprehension: Evidence from multiple postposition constructions in Korean. *Linguistics Vanguard, 6*(1), 20190043. https://doi.org/10.1515/lingvan-2019-0043

Kim, H., **Shin, G-H.**, & Hwang, H. (2020). Integration of verbal and constructional information in the second language processing of English dative constructions. *Studies in Second Language Acquisition, 42*(4), 825–847. https://doi.org/10.1017/S0272263119000743

Shin, G-H. (2018). Event structure composition in Korean verbless constructions by particles and verbal nouns: Evidence from newspaper headlines. *Journal of Language Sciences, 25*(3), 403–425. https://doi.org/10.14384/kals.2018.25.3.403

Shin, G-H. (2017). Developmental aspects of English argument structure constructions for Korean-speaking second language learners: Usage-based constructional approach to language development. *Ampersand, 4*, 10–20. https://doi.org/10.1016/j.amper.2017.02.001

Shin, G-H. (2010). On the contribution of argument structure constructions to sentence meaning for Korean learners of English. *English Teaching, 65*(4), 263–282. https://doi.org/10.15858/engtea.65.4.201012.209

Shin, G-H. (2009). Basic verbs with constructions as an effective primary English learning material. *Primary English Education, 15*(2), 151–178.

[Book chapters]

Shin, G-H. (in prep). *Acquisition of syntax in L1 Korean*. Trends in Language Acquisition Research.

[Conference proceedings]

Shin, G-H. (2024, July). 'Good-Enough' processing by heritage speakers: A case of Korean suffixal passive and morphological causative constructions. *Proceedings of the Annual Meeting of the Cognitive Science Society, 46*.

Mun, S., & **Shin, G-H**. (2024, July). Neural network modelling on Korean monolingual children's comprehension of suffixal passive construction in Korean. *Proceedings of the Annual Meeting of the Cognitive Science Society, 46*.

Sung, H., & Shin, G-H. (2024). *Constructing a dependency treebank for second language learners of Korean*. LREC-COLING 2024.

Jung, B. K., & Shin, G-H. (2024). Different language-usage experience leads to different learning outcomes: Evidence from Korean subject–predicate honorific agreement. *Proceedings of the 48th Annual Boston University Conference on Language Development*. Boston, MA: Cascadilla Press.

Sung, H., & Shin, G-H. (2023). *Diversifying language models for lesser-studied languages and language-usage contexts: A case of second language Korean*. The Findings of EMNLP 2023. https://doi.org/10.18653/v1/2023.findings-emnlp.767

Shin, G-H., & Mun, S. (2022). Limits on neural networks: Agent-First strategy in child comprehension. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 44. Retrieved from https://escholarship.org/uc/item/8ns8z9pz

Lee, C., & **Shin, G-H.**, & Jung, B. K. (2022). How 'good-enough' is L2 sentence comprehension? Evidence from suffixal passive construction in Korean. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 44. Retrieved from https://escholarship.org/uc/item/9623k3cf

Lee, C., & **Shin, G-H.** (2021). Keep calm and move on: Interplay between morphological cue occurrence and frequency-based heuristics for sentence comprehension in Korean. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 43. https://escholarship.org/uc/item/1fr4w9g3

Shin, G-H., & Mun, S. (2021). Bayesian simulation of clause-level constructional knowledge in child language development: Active transitives and suffixal passives in Korean. In D. Dionne and L-A. Vidal Covas (Eds.), *Proceedings of the 45th Annual Boston University Conference on Language Development* (pp. 679–692). Boston, MA: Cascadilla Press.

Shin, G-H., Deen, K., & O'Grady, W. (2020). Children need more information for comprehension: Limits on the agent-first preference in Korean. In M. M. Brown & A. Kohut (Eds.), *Proceedings of the 44th Annual Boston University Conference on Language Development* (pp. 596–605). Boston, MA: Cascadilla Press.

Shin, G-H. (2019). Asymmetric contribution of case marking and verb to the agent-first strategy: Comprehension of canonical active transitives for Korean-speaking children. In *IEICE Technical Report* (Proceedings of MAPLL-TCP-TL 2019)

Shin, G-H., & Deen, K. (2019). Word order, case marking, and verbal morphology in children's comprehension of suffixal passives in Korean. In M. M. Brown & B. Dailey (Eds.), *Proceedings of the 43rd Annual Boston University Conference on Language Development* (pp. 625–638). Boston, MA: Cascadilla Press.

Shin, G-H. (2018). Children follow 'agent-first' but it takes time to learn: Children's comprehension of active transitives in Korean. In *IEICE Technical Report* (Proceedings of MAPLL-TCP-TL 2018).

Deen, K., Bondoc, I. P., Camp, A., Estioca, S., Hwang, H., Shin, G.-H., Takahashi, M., Zenker, F., & Zhong, C. Z. (2018). Repetition brings success: Revealing knowledge of the passive voice. In A. B. Bertolini & M. J. Kaplan (Eds.), *Proceedings of the 42nd Annual Boston University Conference on Language Development* (pp. 200–213). Boston, MA: Cascadilla Press.

[Dataset]

Sung, H., & Shin, G-H. (2024, May). *UD_Korean-KSL (Universal Dependencies)*. https://github.com/UniversalDependencies/UD_Korean-KSL

CONFERENCE PRESENTATIONS
(bold: presenter)

Sung, M-C., Shin, G-H., & Jo, K. (2024, August). *Decoding motion: How visual cues impact sentence processing in L2 learners of Korean and English*. Paper presenting at the 21st AILA World Congress, Kuala Lumpur, Malaysia.

Shin, G-H. (2024, July). *'Good-Enough' processing by heritage speakers: A case of Korean suffixal passive and morphological causative constructions*. Poster presenting at the CogSci 2024 Conference, Rotterdam, the Netherlands.

Mun, S., & **Shin, G-H**. (2024, July). *Neural network modelling on Korean monolingual children's comprehension of suffixal passive construction in Korean*. Poster presenting at the CogSci 2024 Conference, Rotterdam, the Netherlands.

Sung, H., & Shin, G-H. (2024, May). *Constructing a dependency treebank for second language learners of Korean*. Paper presented at LREC-COLING 2024. Torino, Italy.

Shin, G-H., & Mun, S. (2024, March). *GPT-based modelling on children's perception of caregiver input: A case of Korean*. Paper presented at the 2024 American Association for Applied Linguistics Conference, Houston, Texas, USA.

Jung, B. K., & Shin, G-H. (2024, March). *Language-universal and language-specific features in written production by heritage speakers and L2 learners of Korean*. Poster presented at the 2024 American Association for Applied Linguistics Conference, Houston, Texas, USA.

Shin, G-H. (2024, January). *Verbs are sometimes redundant: Korean-speaking children's comprehension of transitive construction in Korean*. Poster presented at the 14th annual BCCCD meeting (BCCCD 24), Budapest, Hungary.

Liedermannová, K., Sio, J., U.-S., Balajková, K., & Shin, G-H. (2023, November). *Tokenization and POS-tagging in written Cantonese data*. Paper presented at the 17th Annual Conference on Asian Studies, Palacký University Olomouc, Czech Republic.

Jung, B. K., & **Shin, G-H**. (2023, November). *Different language-usage experience leads to different learning outcomes: Evidence from Korean subject–predicate honorific agreement*. Poster presented at the 48th Annual Boston University Conference on Language Development, Boston University, USA.

Shin, G-H., & Shin, J. (2023, September). *Cross-linguistic influence under noisier L2 representations: A case of L2 comprehension of Korean dative construction*. Paper presented at EuroSLA 32, University of Birmingham, UK.

Sung, H., & **Shin, G-H.** (2023, September). *Comparison of morphological analyzers for L2-Korean written corpora*. Paper presented at EuroSLA 32, University of Birmingham, UK.

Sung, H., & Shin, G-H. (2023, July). *Towards L2-friendly pipelines for learner corpora: A case of written production by L2-Korean learners*. Poster presented at the 18th Workshop on Innovative Use of NLP for Building Educational Applications (BEA 2023; in the ACL community). Toronto, Canada.

Shin, G-H., & Jung, B. K. (2023, June). *Learning environment and learning outcome: A case of Korean subject–predicate honorific agreement*. Paper presented at the 23rd Biennial Meeting of the International Circle of Korean Linguistics, Palacký University Olomouc, Czech Republic.

Shin, J-E., & **Shin, G-H.** (2023, June). *Cross-linguistic influence, usage frequency, and task effects in second language processing of Korean dative construction*. Paper presented at the 23rd Biennial Meeting of the International Circle of Korean Linguistics, Palacký University Olomouc, Czech Republic.

Lee, C., **Shin, G-H.**, & Lee, J. (2023, June). *A constructionist approach to Korean locative postposition–verb construction*. Paper presented at the 23rd Biennial Meeting of the International Circle of Korean Linguistics, Palacký University Olomouc, Czech Republic.

Shin, G-H., & Shin, J. (2023, May). *Interactive roles of cross-linguistic influence, usage frequency, and task effects in L2 processing of Korean dative construction*. Poster presented at the 12th International Conference on Construction Grammar, Prague, Czech Republic.

Lee, C., & **Shin, G-H**. (2023, May). *A constructionist approach to Korean locative postposition–verb construction*. Poster presented at the 12th International Conference on Construction Grammar, Prague, Czech Republic.

Shin, G-H., Jung, B. K., & Mun, S. (2023, March). *Transformer and text similarity: Implications for language researchers and educators*. Paper presented at the 2023 American Association for Applied Linguistics Conference, Portland, Oregon, USA.

Jung, B. K., & Shin, G-H. (2023, March). *L2 textbook and learners' use of verb-in-construction: A case of Korean locative postposition–verb construction*. Paper presented at the 2023 American Association for Applied Linguistics Conference, Portland, Oregon, USA.

Lee, C., **Shin, G-H.**, & Jung, B. K. (2023, March). *Heuristic versus algorithmic parsing in second language comprehension: Korean suffixal passive and morphological causative constructions*. Poster presented at the 36th Annual Conference on Human Sentence Processing. University of Pittsburgh, Pennsylvania, USA.

Shin, G-H. (2023, March). *'Good-enough' processing, home language proficiency, and cognitive skills for heritage speakers' sentence comprehension: Evidence from Korean suffixal passive construction*. Poster presented at the 36th Annual Conference on Human Sentence Processing. University of Pittsburgh, Pennsylvania, USA.

Shin, G-H., Jung, B. K., & Yang, M. (2023, January). Repetition avoidance and heritage speakers' comprehension: Morphological and periphrastic causative constructions in Korean. Paper presented at *the 21st Annual Hawaii International Conference on Education*, Honolulu, Hawaii, USA.

Liedermannová, K., Sio, J., U.-S., & Shin, G-H. (2022, November). *Accuracy and response time in bilingual lexical decision: A case of Cantonese-Mandarin bilinguals living in Guangdong, China*. Paper presented at the 16th Annual Conference on Asian Studies, Palacký University Olomouc, Czech Republic.

Shin, G-H. (2022, November). *I know, but let's wait and see: Korean-speaking children's comprehension of suffixal passive construction in Korean*. Poster presented at the 47th Annual Boston University Conference on Language Development, Boston University, USA.

Shin, G-H., Jung, B. K., & Mun, S. (2022, August). *Transformer-architecture-based text similarity and L2 proficiency*. Paper presented at EuroSLA 31, University of Fribourg, Switzerland.

Jung, B. K., Shin, G-H., & Lee, C. (2022, August). *Interactive roles of L2 textbook input and L1 properties for L2 knowledge: Evidence from subject-predicate honorific agreement in Korean.* Paper presented at EuroSLA 31, University of Fribourg, Switzerland.

Shin, G-H., & Mun, S. (2022, July). *Limits on neural networks: Agent-First strategy in child comprehension.* Poster presented at the CogSci 2022 Conference, Toronto, Canada.

Lee, C., & **Shin, G-H.**, & Jung, B. K. (2022, July). *How 'good-enough' is L2 sentence comprehension? Evidence from suffixal passive construction in Korean.* Poster presented at the CogSci 2022 Conference, Toronto, Canada.

Shin, G-H., Jung, B. K., & Mun, S. (2022, June). *To what extent neural network models reveal L2 constructs? Relationship between text similarity and learner proficiency.* Paper presented at the 9th Grammar and Corpora (GnC) conference, Ghent University, Belgium.

Jung, B. K., & **Shin, G-H.** (2022, June). *L2-Korean learners' use of constructional components for Korean locative postposition–verb construction: Relationship between L2 textbook and L2 writing.* Paper presented at the 9th Grammar and Corpora (GnC) conference, Ghent University, Belgium.

Shin, G-H., & Jung, B. K. (2022, June). *Transformer architecture and text similarity: Written production by English-speaking learners of Korean.* Paper presented at the 27th AATK Annual Conference and Workshop, Cornell University, USA.

Lee, C., **Shin, G-H.**, & Jung, B. K. (2022, March). *How 'good-enough' is L2 comprehension? A case of Korean suffixal passive construction.* Poster presented at the 35th Annual Conference on Human Sentence Processing, University of California Santa Cruz, USA.

Jung, B. K., **Shin, G-H.**, & Lee, C. (2022, March). *Different learning environments, different learning outcomes: L2-Korean learners' comprehension of subject-predicate honorific agreement in Korean.* Paper presented at the 2022 American Association for Applied Linguistics Conference, Pittsburgh, Pennsylvania, USA.

Shin, G-H., & Jung, B. K. (2022, February). *How does neural-network-based text similarity account for learner proficiency?* Paper presenting at the 1st Korean Applied Linguistics Conference, The Pennsylvania State University, USA.

Jung, B. K., & Shin, G-H. (2022, February). *Second language learners' use of constructional components: A case of Korean locative postposition–verb construction.* Paper presenting at the 1st Korean Applied Linguistics Conference, The Pennsylvania State University, USA.

Shin, G-H., Jung, B. K., & Lee, C. (2022, January). *Heritage language speakers' linguistic competence: A case of subject–predicate honorific agreement in Korean.* Paper presented at the Inaugural Honolulu Education Conference, Hawaii, USA.

Shin, G-H., & Mun, S. (2021, October). *Korean-speaking children's constructional knowledge about transitive events: Corpus analysis and Bayesian modelling.* Paper presented at the 30th Association for Korean Studies in Europe, La Rochelle University, France.

Jung, B. K., **Shin, G-H.**, & Mun, S. (2021, October). *Automatic text quality analysis of learner writing: Parallel comparisons of NLP techniques for text similarity measurement.* Paper presented at the 30th Association for Korean Studies in Europe, La Rochelle University, France.

Lee, C., & **Shin, G-H**. (2021, September). *Heuristic processing takes precedence over algorithmic processing: Causative and passive constructions in Korean*. Poster presented at the 29th Japanese/Korean Linguistics Conference, Nagoya University, Japan.

Lee, C., & **Shin, G-H**. (2021, September). *Heuristic-before-algorithm architecture in sentence processing: Evidence from Korean*. Short talk at AMLaP 2021. Université de Paris, France.

Shin, G-H., & Mun, S. (2021, August). *Bayesian simulation of Korean-speaking children's constructional knowledge about transitive events*. Paper presented at the 11th International Conference on Construction Grammar, University of Antwerp, Belgium.

Mun, S., & Shin, G-H. (2021, August). *How does context window size address polysemy of adverbial postposition -(u)lo in Korean?*. Paper presented at the 11th International Conference on Construction Grammar, University of Antwerp, Belgium.

Shin, G-H., & Jung, B. K. (2021, August). *What automatic measurement of text similarity tells us: Development of second language learner writing*. Paper presented at the International Association of Applied Linguistics World Congress 2020, Groningen, the Netherlands.

Jung, B. K., & **Shin, G-H.** (2021, August). *Revealing input-output relation in second language development: Textbook and learner writing for L2 beginners of Korean*. Paper presented at the International Association of Applied Linguistics World Congress 2020, Groningen, the Netherlands.

Lee, C., & **Shin, G-H.** (2021, August). *Frequency effects in comprehension of Korean passive/causative constructions*. Paper presented at the 22nd Meeting of the International Circle of Korean Linguistics, National Chengchi University, Taiwan.

Jung, B. K., Shin, G-H., & Mun, S. (2021, August). *NLP-based measurement of text quality for learner writing: Relationship between text similarity and proficiency*. Paper presented at the 22nd Meeting of the International Circle of Korean Linguistics, National Chengchi University, Taiwan.

Lee, C., & **Shin, G-H.** (2021, July). *Keep calm and move on: Interplay between morphological cue occurrence and frequency-based heuristics for sentence comprehension in Korean*. Poster presented at the CogSci 2021 Conference, University of Vienna, Austria.

Lee, C., & Shin, G-H. (2021, March). *Keep calm and move on: Reduced processing advantage of an early-arriving cue in comprehension of Korean suffixal passive construction*. Poster presented at the 34th Annual CUNY Conference on Human Sentence Processing, University of Pennsylvania, USA.

Jung, B. K., & Shin, G-H. (2021, March). *Measuring text quality of learner writing automatically through text similarity techniques*. Poster presented at the American Association for Applied Linguistics 2021 Conference.

Shin, G-H., & Mun, S. (2020, November). *Bayesian simulation of clause-level constructional knowledge in child language development: Active transitives and suffixal passives in Korean*. Poster presented at the 45th Annual Boston University Conference on Language Development, Boston University, USA.

Shin, G-H., & Park, S. (2020, July). *Frequency effects on verb-construction fusion: Comprehension of dative construction in Korean*. Paper presented at the 7th UK Cognitive Linguistics Association Conference, University of Birmingham, UK.

Kim, H., & **Shin, G-H.** (2020, July). *Long-term language experience modulates processing behavior: Evidence from subject-predicate honorific agreement in Korean*. Paper presented at the 7th UK Cognitive Linguistics Association Conference, University of Birmingham, UK.

Shin, G-H., & Mun, S. (2020, June). *Bayesian modelling of clause-level constructional knowledge for Korean-speaking preschool children*. Paper presented at the IMPRS Conference 2020: Interdisciplinary Approaches to the Language Sciences, Max Planck Institute for Psycholinguistics, the Netherlands.

Mun, S., & Shin, G-H. (2020, June). *Context window and polysemy interpretation: A case of Korean adverbial postposition –(u)lo*. Paper presented at the IMPRS Conference 2020: Interdisciplinary Approaches to the Language Sciences, Max Planck Institute for Psycholinguistics, the Netherlands.

Shin, G-H., Deen, K., & O'Grady, W. (2019, November). *Children need more information for comprehension: Limits on the agent-first preference in Korean*. Poster presented at the 44th Annual Boston University Conference on Language Development, Boston University, USA.

Kim, H., & **Shin, G-H**. (2019, August). *Effects of verb frequency and L1 transfer in L2 processing of English dative constructions*. Paper presented at the 15th International Cognitive Linguistics Conference, Nishinomiya, Japan.

Shin, G-H. (2019, July). *Asymmetric contribution of case marking and verb to the agent-first strategy: Comprehension of canonical active transitives for Korean-speaking children*. Paper presented at MAPLL-TCP-TL 2019 conference, Konan University, Japan.

Shin, G-H., & Park, S. (2019, July). *Language use matters: Verb-construction fusion in the comprehension of dative constructions in Korean*. Paper presented at the 21st Meeting of the International Circle of Korean Linguistics, Monash University, Australia.

Park, S., & Shin, G-H. (2019, July). *Second language learners' comprehension of multiple nominative constructions in Korean*. Paper presented at the 21st Meeting of the International Circle of Korean Linguistics, Monash University, Australia.

Shin, G-H., & Deen, K. (2018, November). *The interaction of word order, case-marking, and verbal morphology in children's comprehension of suffixal passives in Korean*. Paper presented at the 43rd Annual Boston University Conference on Language Development, Boston University, USA

Shin, G-H. (2018, July). *Children follow 'agent-first' but it takes time to learn: Young children's comprehension of active transitives in Korean*. Paper presented at MAPLL-TCP-TL 2018 conference, Keio University, Japan.

Shin, G-H., & Kim, H. (2018, July). *Competition between verbs and constructions for sentence meaning: Evidence from sentence interpretation in English and Korean*. Paper presented at the 10th International Conference on Construction Grammar, Sorbonne Paris Cité University, France.

Kim, H., & **Shin, G-H**. (2018, July). *Testing usage-based learning of English resultative constructions in Korean EFL learners' argumentative essays*. Paper presented at the 10th International Conference on Construction Grammar, Sorbonne Paris Cité University, France.

Shin, G-H., & Park, S. (2018, June). *Passives are difficult to process, but can be learnt: Sentence comprehension by adult Chinese-speaking learners of Korean*. Poster presented at the IMPRS Conference 2018, Max Planck Institute for Psycholinguistics, the Netherlands.

Cho, C., Son, O-W., Lee, S., O'Grady, W. D., Shin, G-H., & Cho, S. W. (2018, May). *An eye-tracking study of the processing of Korean word order and case marking*. Paper presented at the Psycholinguistics Round Table 2018: The Structure, Acquisition, and Processing of Morpho-Syntax, Hanyang University, Republic of Korea.

Shin, G-H., & Kim, H. (2018, March). *Interaction of language use experience and attraction effects in processing subject-verb honorific agreement in Korean*. Poster presented at the 31st Annual CUNY Conference on Human Sentence Processing, University of California at Davis, USA.

Kim, H., & **Shin, G-H**. (2018, February). *Usage-based constructional approach to predicting L2 writing proficiency*. Paper presented at Constructionist Approaches to Language Pedagogy 3, University of Texas at Austin, USA.

Deen, K., Bondoc, I. P., Camp, A., Estioca, S, Hwang, H., Shin, G-H., Takahashi, M., Zenker, F., & Zhong, C. Z. (2017, November). *Repetition brings success: Revealing knowledge of the passive voice*. Paper presented at the 42nd Annual Boston University Conference on Language Development, Boston University, USA.

Shin, G-H., & Kim, H. (2017, March). *Can language users derive sentence meaning without relying on verbs? Evidence from English and Korean*. Poster presented at the 30th Annual CUNY Conference on Human Sentence Processing, MIT, USA.

Shin, G-H. (2016, September). *Korean secondary interlanguage learners' acquisition and use of English datives centred upon cognitive endeavour*. Poster presented at the 35th Second Language Research Forum, Columbia University, USA.

Shin, G-H. (2016, June). *Korean secondary interlanguage learner development of English argument structure constructions*. Paper presented at Constructionist Approaches to Language Pedagogy 2, University of Basel, Switzerland.

Shin, G-H., & Kim, H. (2016, March). *The contribution of verbs and conceptual representations to grammatical function assignment in Korean sentence processing*. Poster presented at the 29th Annual CUNY Conference on Human Sentence Processing, University of Florida, USA.

Shin, G-H. (2012, August). *On the effectiveness of argument structure constructions and basic verbs on adult Korean learners of English*. Paper presented at the 7th International Conference on Construction Grammar, Hankuk University of Foreign Studies, Republic of Korea.

Shin, G-H., & Jun, M.-Y. (2012, August). *The grammatical and lexical patterning of MAKE in Korean adult learners of English*. Paper presented at 2012 KEES International Conference, Korea National University of Education, Republic of Korea.

Shin, G-H. (2011, January). *On the matter of input frequency in Korean primary English education: Basic verbs and argument structure constructions in English textbooks*. Paper presented at 2011 KAPEE International Conference, Korea National University of Education, Republic of Korea.

Shin, G-H., Lee, Y.-R., Kim, S.-J., Lee, J.-S., & Lee, J.-W. (2008, December). *Analysis, evaluation, and re-creation of the 'English Conversation' textbooks in Korea*. Poster presented at 2008 ALAK International Conference, Seoul National University, Republic of Korea.

RESEARCH GRANTS

[Submitted & in preparation]

NSF Standard Grant: Linguistics (Stimulating Diversification in Language Science Research) (submitted) (PI)
National Science Foundation | June 2024 ~ May 2027
Budget requested: USD 622,861

NRF Collaborative Research: Overseas (submitted) (co-PI w/ Youngeun Choi, Ph.D., Reiko Mazuka, Ph.D., & Narae Ju, Ph.D. @Chung-Ang University)
National Research Foundation of Korea | June 2024 ~ May 2027
Budget requested: KRW 240,000,000

Research Grants on Education: Small (in prep) (co-PI w/ Minseok Yang, Ph.D. @University of Missouri)
Spencer Foundation | August 2024 ~ July 2027
Budget requested: USD 50,000

Joint Research Projects/Seminars (Bilateral Programs) (in prep) (co-PI w/ Jeong Eun Shin, Ph.D. @Tsukuba University)
Japan Society for the Promotion of Science | April 2025 ~ March 2027
Budget requested: JPY 4,000,000

[Awarded]

Korean Studies Grant 2024 (Academic Research) (PI)
The Academy of Korean Studies | February 2024 ~ January 2025
Budget received: USD 13,200
Title: Towards inclusive NLP research: Developing language models on second language Korean

Korean Studies Grant 2024 (Academic Research) (co-PI w/ Jeong Eun Shin, Ph.D. @Tsukuba University)
The Academy of Korean Studies | February 2024 ~ January 2025
Budget received: USD 11,200
Title: Bidirectional research on sentence processing by Korean–Japanese bilinguals

Language Learning Early Career Research Grant (PI)
Language Learning | October 2023 ~ September 2025
Budget received: USD 10,000
Title: 'Good-enough' processing under various language-learning contexts

Korean Studies Grant 2023 (Academic Conference) (PI)
The Academy of Korean Studies | February ~ August 2023
Budget received: USD 17,000
Title: ICKL 2023 conference

Marie Skłodowska-Curie Actions – Czech Republic (PI)
Ministry of Education, Czech Republic (under European Research and Development Fund) | January 2023 ~ May 2025
Budget received: CZK 1,413,152
Title: Input-output relations in second language acquisition: Learning Korean in Europe

2023 National University Development Project - International Collaborative Research Grant (co-PI w/ Min Chang Sung, Ph.D. & Kyuhee Jo, Ph.D. @Gyeongin National University of Education)
Gyeongin National University of Education | July 2023 ~ January 2024
Budget received: KRW 10,000,000
Title: NLP-based analyses of cross-linguistic influences: Acquisition of L2 English and L2 Korean

Korean Studies Grant 2023 (Academic Research) (co-PI w/ Jayoung Song, Ph.D. @Penn State University)
The Academy of Korean Studies | February 2023 ~ January 2024
Budget received: USD 14,000
Title: Augmented Reality in Korean language education: The effects of text mode and complexity on Korean reading comprehension in an augmented-reality (AR) based, interactive reading activity

Korean Studies Grant 2022 (Academic Research) (co-PI w/ Boo Kyung Jung, Ph.D. @University of Pittsburgh)
The Academy of Korean Studies | February 2022 ~ January 2023
Budget received: USD 21,000
Title: Linguistic environments and learning outcomes for heritage language speakers of Korean in the United States: A case of subject-predicate honorific agreement in Korean

Korean Studies Grant 2022 (Academic Research) (co-PI w/ Minseok Yang, Ph.D. @West Texas A&M University)
The Academy of Korean Studies | February 2022 ~ January 2023
Budget received: USD 21,000
Title: Korean Studies programs and Korean heritage speakers in the United States: Developmental aspects of cultural and linguistic competence

Korean Studies Grant 2021 (Academic Research) (PI)
The Academy of Korean Studies | February 2021 ~ January 2022
Budget received: USD 17,300
Title: Automatic measurement of L2-Korean learner writing: Relationship between text similarity, learner proficiency, and holistic evaluation

Korea-US Special Cooperation Program in Humanities (co-researcher)
National Research Foundation of Korea | September 2017 ~ August 2018
Budget received: KRW 30,000,000

TEACHING & ADVISING	**[Lecturer (UG: undergraduate; G: graduate)]**

[LING 360] Basic Statistics for Language Research (UG & G) ｜ Spring 2025 and every Spring semester
    Department of Linguistics, University of Illinois at Chicago

[LING 300] AI for Language Research (UG & G) ｜ Fall 2024 (planned)
    Department of Linguistics, University of Illinois at Chicago

[LING 370] Introduction to Computational Linguistics (UG) ｜ Fall 2024 and onward
    Department of Linguistics, University of Illinois at Chicago

[LING 459] Basic Statistics for Language Research (UG & G) ｜ Spring 2024
    Department of Linguistics, University of Illinois at Chicago

[LING 300] Introduction to Computational Linguistics (UG) ｜ Spring 2024
    Department of Linguistics, University of Illinois at Chicago

[LING 150] The Study of Language (UG) ｜ Fall 2023
    Department of Linguistics, University of Illinois at Chicago

Advanced Statistics for Quantitative Research (UG & G) ｜ Summer 2023
    Department of Asian Studies, Palacký University Olomouc

Introduction to Corpus Linguistics (UG & G) ｜ Winter 2022
    Department of Asian Studies, Palacký University Olomouc

Topics in Language Acquisition/Development (G) ｜ Winter 2021, 2022
    Department of Asian Studies, Palacký University Olomouc

Applied Natural Language Processing (UG & G) ｜ Summer 2022
    Department of Asian Studies, Palacký University Olomouc

Psychology of Language (UG & G) ｜ Summer 2022
    Department of Asian Studies, Palacký University Olomouc

Introduction to the Korean Language (UG) ｜ Summer 2021, 2022
    Department of Asian Studies, Palacký University Olomouc

Inferential Statistics for Quantitative Research (G) ｜ Summer 2021, Winter 2021
    Department of Asian Studies, Palacký University Olomouc

Second Language Research Methods (G) ｜ Summer 2021
    Department of Asian Studies, Palacký University Olomouc

Introduction to Korean Linguistics (G) ｜ Winter 2020
    Department of Asian Studies, Palacký University Olomouc

Introduction to the Study of Language (UG) ｜ Spring 2018 ~ Spring 2020
    Department of Linguistics, University of Hawaiʻi at Mānoa

[Workshop instructor]

Python Tutorial
    April 2023; Palacký University Olomouc

JASP Tutorial
    March 2023; Palacký University Olomouc

Python Tutorial
    December 2022; Palacký University Olomouc

AntConc Tutorial
    October 2022; Palacký University Olomouc

JASP Tutorial
    April 2022; Palacký University Olomouc

Psychopy Tutorial
    November 2021; Palacký University Olomouc

Natural Language Processing and research on Korean
    July 2020; Ewha Womans University

[Invited speaker]

'Good-Enough' processing and heritage speakers: A case of Korean suffixal passive and morphological causative constructions
    01 March 2024; Department of Hispanic and Italian Studies, University of Illinois Chicago

Computational approaches to language acquisition research: A case of Korean
    07 November 2023; Department of Linguistics, University of Illinois Chicago

Language acquisition research at the interface of computational methods
    09 October 2023; Department of Linguistics, University of Illinois Urbana-Champaign

NLP-based research on Korean as a second language
    14 March 2023; Department of East Asian Languages and Literatures, University of Pittsburgh

Usage frequency, cognitive-psychological factors, and linguistic knowledge
    26 January 2023; Korean Psychological Association

NLP-based accounts for language science
    11-15 July 2022; Yonsei University (English Studies as Future Humanities; BK21 Project)

To what extent computational accounts reveal trajectories of language development?
    06 April 2022; Palacký University Olomouc

To what degree computational accounts address language development? A linguistic perspective
    02 July 2021; Seoul National University

Language behaviours shaped by the interplay between (non-)linguistic forces
    23 April 2021; Palacký University Olomouc

Input-output relations in acquisition/development of Korean: Potentials of interdisciplinary research
    09 September 2020; Hankuk University of Foreign Studies

Recent trend of studies on language acquisition/development
    15 May 2018; Ewha Womans University

[Student advising]

Ph.D. student
    Nate Cook (April 2024 ~ present; doctoral dissertation committee member)

Liang-Ting Belinda Juan (January 2021 ~ present; co-supervision with Sio Joanna Ut-Seong, Ph.D.)

Monika Hálová (January 2021 ~ present; co-supervision with Sio Joanna Ut-Seong, Ph.D.)

Markéta Dančová (September 2021 ~ July 2023; co-supervision with Ludmila Veselovská, Ph.D.)

Liedermannova Kamila (September 2021 ~ July 2023; co-supervision with Sio Joanna Ut-Seong, Ph.D.)

M.A. student

Martin Spáčil (September 2022 ~ July 2023; M.A. supervisor)

Liedermannova Kamila (January 2021 ~ May 2022; M.A. thesis advisor)

B.A. student

Martin Spáčil (September 2021 ~ May 2022; B.A. supervisor)

PROFESSIONAL SERVICES

[Editor (journal; guest)]

Explainability, AI literacy, and Language Development. *Computer Speech & Language*. (together with Natalie Parde, Ph.D.)

When Corpus Linguistics meets acquisition of Korean: Implications on the use of Korean corpora for developmental research on Korean. *Korean Linguistics, 18*(2). https://doi.org/10.1075/kl.18.2

[Ad-hoc reviewer (journal)]

Scientific Reports – Nature
Language Learning
Studies in Second Language Acquisition
Language Testing
Language and Cognition
Applied Psycholinguistics
Acta Psychologica
Journal of Psycholinguistic Research
Language Learning and Development
Lingua
Glossa: a journal of general linguistics
International Journal of Learner Corpus Research
Psychology of Language and Communication
Journal of Second Language Studies
Korean Journal of English Language and Linguistics

[Reviewer (conference)]

CogSci 2024, 2023, 2022
HSP 2024, 2023
AMLaP 2023, 2022
IASCL 2024
EMNLP 2023
BEA 2024, 2023
Olomouc Linguistics Colloquium 2023

[Leadership / Advisory roles]

Member of Directorship and Editorial Board in *Korean Linguistics* (September 2022 ~ present)

Board Member in the *Korean Association for the Study of English Language and Linguistics* (January 2024 ~ present)

[Coordinator / Organiser]

Local chair of *International Circle of Korean Linguistics (ICKL) Conference 2023* (28-30 June 2023, Palacký University Olomouc)

Local co-organiser of *European Association for Korean Language Education (EAKLE) Workshop 2022* (30-31 August 2022, Palacký University Olomouc)

Coordinator of *Language Acquisition & Pedagogy* Cluster (September 2021 ~ July 2023; Department of Asian Studies, Palacký University Olomouc)

Coordinator of *Tuesday Seminar* Series (August ~ December 2017; Department of Linguistics, University of Hawaiʻi at Mānoa)

Reader/consultant of IGA (a university-internal grant competition for graduate students) in Palacký University Olomouc (December 2020 ~ January 2021)

Secretary of the Linguistic Society of Hawaiʻi (August 2018 ~ May 2019)

Director of a *pro bono* after-school tutoring programme (September 2010 ~ June 2011)

SKILLS & CERTIFICATIONS

Proficient at:
Python, R, JASP, SPSS, PsychoPy, E-Prime, PCIbex, Qualtrics, PsyToolkit, CLAN, AntConc, Tool for the Automatic Analysis of Syntactic Sophistication and Complexity (TAASSC), Tool for the Automatic Analysis of Lexical Sophistication (TAALES), Audacity, Adobe Premiere

Good understanding of:
Java, JavaScript, XML/HTML, JSON, Event-related brain potentials

Regular Teacher's Licence in Korea (2nd degree) (August 2008)