

# Gyu-Ho Shin, Ph.D.

(last updated: April 2024)

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## 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 (exp. 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 Hawai‘i 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.*
- Shin, G-H.**, & Shin, J. (accept with minor modifications). *Typological similarity is not always helpful: Second language processing of Korean dative construction.*
- 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.*
- Chen, X., Shin, G-H. & Lee, J. (major revision). *Exploring metapragmatics of politeness lexemes using a computational approach.*
- 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.*
- Sung, H., & **Shin, G-H.** (under review). *A new language model for second language: Analysis of morphosyntactic features in Korean.*
- 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). *Isomorphism and heritage speakers’ sentence processing: Active transitive and suffixal passive constructions in Korean.*
- 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.*
- Kim, H., & **Shin, G-H.** (in prep). *Noisier representations as a source of difficulty in integrating verbal and constructional information during second language processing.*
- 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/rc1.00087.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]

- 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 48<sup>th</sup> 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 45<sup>th</sup> 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 44<sup>th</sup> 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 43<sup>rd</sup> 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 42<sup>nd</sup> Annual Boston University Conference on Language Development* (pp. 200–213). Boston, MA: Cascadilla Press.

**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.
- Sung, H., & Shin, G-H. (2024, May). *Constructing a dependency treebank for second language learners of Korean*. Paper presenting 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 14<sup>th</sup> 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 17<sup>th</sup> 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 48<sup>th</sup> 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 18<sup>th</sup> 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 23<sup>rd</sup> 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 23<sup>rd</sup> 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 23<sup>rd</sup> 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 12<sup>th</sup> 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 12<sup>th</sup> 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 36<sup>th</sup> 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 36<sup>th</sup> 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 21<sup>st</sup> 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 16<sup>th</sup> 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 47<sup>th</sup> 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 9<sup>th</sup> 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 9<sup>th</sup> 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 1<sup>st</sup> 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 1<sup>st</sup> 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 30<sup>th</sup> 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 30<sup>th</sup> 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 29<sup>th</sup> 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 11<sup>th</sup> 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 11<sup>th</sup> 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 22<sup>nd</sup> 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 22<sup>nd</sup> 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 34<sup>th</sup> 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 45<sup>th</sup> 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 7<sup>th</sup> 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 7<sup>th</sup> 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 44<sup>th</sup> 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 15<sup>th</sup> 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 21<sup>st</sup> 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 21<sup>st</sup> 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 43<sup>rd</sup> 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 10<sup>th</sup> 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 10<sup>th</sup> 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 31<sup>st</sup> 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 42<sup>nd</sup> 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 30<sup>th</sup> 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 35<sup>th</sup> 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 29<sup>th</sup> 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 7<sup>th</sup> 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* (in prep) (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)]**

Quantitative Research Methods (UG & G) | Fall 2025 (planned)

Department of Linguistics, University of Illinois at Chicago

Advanced Statistics for Language Research (UG & G) | Spring 2025 (planned)

Department of Linguistics, University of Illinois at Chicago

Language and Artificial Intelligence (UG & G) | Fall 2024 (planned)

Department of Linguistics, University of Illinois at Chicago

Introduction to Computational Linguistics (UG) | Spring 2024 ~

Department of Linguistics, University of Illinois at Chicago

Basic Statistics for Language Research (UG & G) | Spring 2024

Department of Linguistics, University of Illinois at Chicago

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 Hawai'i 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 Hawai'i 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 Hawai'i (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 (2<sup>nd</sup> degree) (August 2008)