Seung-Eun Kim

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Academic Appointment

2023–present — **Postdoctoral Fellow,** Department of Linguistics, Northwestern University
NSF project: *Enhancing research on speech and deep learning through holistic acoustic analysis*
PIs: Matt Goldrick, Ann Bradlow

Education

2017–2022 — **Ph.D. in Linguistics,** Cornell University
Dissertation: *Experimental and computational investigations of F0 control* [link]
Committee: Sam Tilsen (chair), Abigail C. Cohn, Draga Zec

2017–2020 — **M.A. in Linguistics,** Cornell University
Qualifying paper: *A phonetic investigation of English relative clauses*
Committee: Sam Tilsen (chair), Marten van Schijndel, Draga Zec

2014–2017 — **M.A. in English Language and Literature,** Yonsei University, Seoul, South Korea
Thesis: *Effects of musical aptitude on L2 learners' sensitivity to prosodic boundaries in syntactic ambiguity resolution*
Committee: Eun-Kyung Lee (chair), Seok-Chae Rhee, Seung-Hee Lee

2010–2014 — **B.A. in English Language and Literature,** Yonsei University, Seoul, South Korea
Academic Honors (Spring, 2013)

Research Interests

Speech planning, Speech production and perception, Speech intelligibility, Bilingualism, Acoustics, Articulation, Prosody, Intonation

Fellowships & Scholarships

2024 — **Postdoc Conference Travel Grant.** Office of Postdoctoral Affairs, Northwestern University

2021–2022, 2017–2018 — **Sage Fellowship.** Graduate School, Cornell University

Spring, 2021 — **R. J. Smith Fellowship.** Mario Einaudi Center for International Studies, Cornell University

2018, 2019, 2020, 2021 — **Conference Travel Grant.** Graduate School, Cornell University

2014–2015 — **Brain Korea 21 Plus Scholarship.** Korean Ministry of Education & National Research Foundation of Korea

2010–2013 — **Scholarship for Academic Excellence.** Department of English Language and Literature, Yonsei University

Publications

Journal Articles

2024 **Kim, S.-E.**, & Tilsen, S. Planning for the future and reacting to the present: Proactive and reactive F0 adjustments in speech. *Journal of Phonetics, 104,* 101322. [link]

2024 **Kim, S.-E.**, Chernyak, B. R., Seleznova, O., Keshet, J., Goldrick, M., & Bradlow, A. R. Automatic recognition of second language speech-in-noise. *JASA Express Letters, 4*(2), 025204. [link]

2022 **Kim, S.-E.**, & Tilsen, S. An investigation of functional relations between speech rate and phonetic variables. *Journal of Phonetics, 93,* 101152. [link]

2021 Tilsen, S., **Kim, S.-E.**, & Wang, C. Localizing category-related information in speech with multi-scale analyses. *PLoS ONE, 16*(10), e0258178. [link]

2016 **Kim, S.-E.** Laughter in contexts of interactional troubles in writing tutoring sessions. *The Sociolinguistic Journal of Korea, 24*(2), 49-77. [link]

Conference Proceedings

2023 **Kim, S.-E.** Evidence for preplanned and adaptive F0 control. *Proceedings of the 20th International Congress of Phonetic Sciences.* [link]

2023 **Kim, S.-E.**, & Tilsen, S. Investigations of F0 control: pitch targets vs. pitch register. *Proceedings of the 20th International Congress of Phonetic Sciences.* [link]

2021 **Kim, S.-E.**, & Tilsen, S. Temporal localization of syntactically conditioned prosodic information. *Proceedings of the 12th International Seminar on Speech Production.* [link]

2020 **Kim, S.-E.**, & Tilsen, S. Speech rate and syntactically conditioned influences on prosodic boundaries. *Proceedings of the 10th International Conference on Speech Prosody.* [link]

2020 **Kim, S.-E.** The prosody of contrastive topic in Korean. *Proceedings of the 27th Japanese/Korean Linguistics Conference.* [link]

Conference Presentations

Jun, 2024 **Kim, S.-E.**, Goldrick, M., & Bradlow, A. R. *Large-scale assessment of speech intelligibility.* Talk to be given at the CorpusPhon (satellite workshop of the 19th Conference on Laboratory Phonology). Seoul, South Korea.

Jun, 2024 **Kim, S.-E.**, Zeng, Q., Chernyak, B. R., Keshet, J., Goldrick, M., & Bradlow, A. R. *Quantifying perceptual similarity of connected speech.* Poster to be presented at the 19th Conference on Laboratory Phonology. Seoul, South Korea.

May, 2024 **Kim, S.-E.**, Goldrick, M., & Bradlow, A. R. *Effects of quality of initial exposure stimuli on speech intelligibility.* Poster to be presented at the 186th meeting of the Acoustical Society of America. Ottawa, ON, Canada.

Nov, 2023 **Kim, S.-E.**, Chernyak, B. R., Seleznova, O., Keshet, J., Goldrick, M., & Bradlow, A. R. *Comparing ASR and human listeners on L2 intelligibility.* Poster presented at the 64th Annual Meeting of the Psychonomic Society. San Francisco, CA, USA.

Sep, 2023 **Kim, S.-E.** *Proactive and reactive adjustments of F0.* Poster presented at the Workshop on Planning to Produce Speech. Evanston, IL, USA.

Aug, 2023 **Kim, S.-E.** *Evidence for preplanned and adaptive F0 control.* Talk given at the 20th International Congress of Phonetic Sciences. Prague, Czech Republic.

Aug, 2023 **Kim, S.-E.**, & Tilsen, S. *Investigations of F0 control: pitch targets vs. pitch register.* Poster presented at the 20th International Congress of Phonetic Sciences. Prague, Czech Republic.

May, 2023	**Kim, S.-E.**, & Tilsen, S. *Effects of utterance length on word and phrase durations.* Poster presented at the 184th meeting of the Acoustical Society of America. Chicago, Illinois, USA.
Jun, 2022	**Kim, S.-E.**, & Tilsen, S. *Evidence for adaptive control of pitch register.* Poster presented at the 18th Conference on Laboratory Phonology. Virtual presentation.
Nov, 2021	**Kim, S.-E.**, & Tilsen, S. *Evidence for F0 preplanning with delayed stimuli.* Poster presented at the 181st meeting of the Acoustical Society of America. Seattle, Washington, USA.
Jan, 2021	**Kim, S.-E.** *The effects of speech rate on the phonetic correlates of syntactic structure.* Talk given at the 95th Annual Meeting of the Linguistic Society of America. Virtual presentation.
Dec, 2020	**Kim, S.-E.**, & Tilsen, S. *Temporal localization of syntactically conditioned prosodic information.* Poster presented at the 12th International Seminar on Speech Production. Virtual presentation.
Dec, 2020	**Kim, S.-E.**, & Tilsen, S. *Phonetic evidence for categorical differences in prosodic structure.* Poster presented at the 179th meeting of the Acoustical Society of America. Virtual presentation.
May, 2020	**Kim, S.-E.**, & Tilsen, S. *Speech rate and syntactically conditioned influences on prosodic boundaries.* Talk given at the 10th International Conference on Speech Prosody. Virtual presentation.
Oct, 2019	**Kim, S.-E.** *The prosody of contrastive topic in Korean.* Talk given at the 27th Japanese/Korean Linguistics Conference. Seoul, South Korea.
Mar, 2018	**Kim, S.-E.** *Korean L2 learners' sensitivity to prosodic boundaries in syntactic ambiguity resolution.* Poster presented at the 31st Annual CUNY Conference on Human Sentence Processing. Davis, California, USA.

Invited Talks

Aug, 2023	*Utilizing automatic speech recognition in intelligibility research.* Symposium on "Speech processing in challenging listening environments: Towards a multi-dimensional framework". Department of Communication Sciences and Disorders, Northwestern University.
Jul, 2023	*Understanding the journal publishing process.* First year graduate student workshop. Department of Linguistics, Northwestern University.
Apr, 2023	*Investigations of cognitive mechanisms behind F0 control.* Prosody & Speech Dynamics Lab. Department of Linguistics, Northwestern University.

Teaching & Research Experience

Teaching Assistant, Cornell University

Spring, 2019	**Introduction to Phonetics and Phonology.** Department of Linguistics
Fall, 2018, 2019, 2020	**Elementary Korean I.** Department of Asian Studies
Spring, 2022	**Elementary Korean II.** Department of Asian Studies

Research Assistant, Cornell University

Spring, 2020	**Research Assistant to Professor John Whitman.** Department of Linguistics - *conducted corpus analyses on passive and causative verbs in Middle Korean* - *conducted corpus analyses on the phonological distribution of /h/ in Middle Korean*

Languages & Skills

Languages	**Korean**: native, **English**: fluent, **Japanese, Chinese**: elementary

Skills	**MATLAB**: experiment design, acoustic/articulatory analyses, statistical analyses
	NDI Wave Electromagnetic Articulography (EMA): articulatory data acquisition
	R: statistical analyses
	Praat: acoustic analyses
	Python: data analyses using deep learning

▬▬▬ Service

Journal reviewing	Journal of Speech, Language, and Hearing Research; Journal of the International Phonetic Association
2023–present	**Organizer.** Northwestern Phonatics Group
2019–2020	**Student representative on search committee for tenure-track position in Experimental Linguistics.** Department of Linguistics, Cornell University *- pre-screen and interview applicants* *- provide student feedback to the faculty*

▬▬▬ References

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Dr. Ann Bradlow
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Dr. Sam Tilsen
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