CURRICULUM VITAE
Jieun Song

Speech, Hearing & Phonetic Sciences
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RESEARCH INTERESTS

Neural processing of speech, second language speech learning, speech processing in realistic environments, child language acquisition, bilingualism, Korean phonetics

EMPLOYMENT

2017- Present **Postdoctoral Research Associate** in **Dept. of Speech, Hearing and Phonetic Sciences**, **University College London,** London, UK
Project title: *Listening effort and multilingual speech communication: Neural measures of auditory and lexical processing by adults and older children* (funded by Economic and Social Research Council)
Principal Investigator: Prof. Paul Iverson

EDUCATION

2013-2018 Jan **PhD in Speech, Hearing and Phonetic Sciences**, **University College London**, London, UK
Thesis: The effects of adverse conditions on speech recognition by non-native listeners: Electrophysiological and behavioural evidence
Primary Supervisor: Prof. Paul Iverson
Secondary Supervisor: Prof. Valerie Hazan

2008-2011 **MA in Linguistics**, **Seoul National University**, Seoul, South Korea
Thesis: *The interlanguage speech intelligibility benefit of English stress for Korean talkers and listeners*
Supervisor: Prof. Ho-Young Lee

2004-2008 **BA in Linguistics**, **Seoul National University**, Seoul, South Korea
Summa cum laude

2007 Exchange Programme, Linguistics, The University of Auckland, Auckland, New Zealand

Jieun Song

AWARDS & GRANTS (SELECTED)

2017 - 2020 **Named postdoctoral researcher** for the project 'Listening effort and multilingual speech communication: Neural measures of auditory and lexical processing by adults and older children'
Sponsor: Economic and Social Research Council
Award Amount: £570,625
Principal Investigator: Prof. Paul Iverson

Jan 2017 **First Place Award** in the poster competition at the **172nd meeting of the Acoustical Society of America 2016** (awarded by the Speech Communication Technical Committee; poster title: "*Cross-linguistic perception of continuous speech: Neural entrainment to the speech amplitude envelope*")

2013-2017 **Kwanjeong Overseas Scholarship**, Kwanjeong Educational Foundation, South Korea (full stipend)

2013-2016 **Overseas Research Scholarship**, University College London (full tuition fee waiver)

Nov 2010 Best Presentation Paper Award at the 2010 Fall Conference of the Korean Society of Speech Sciences

2010 Teaching Assistant Scholarship & Superior Academic Performance Scholarship, Dept. of Linguistics, SNU (1st Semester)

2009-2010 Graduate Student Scholarship, Woosan Educational Foundation, South Korea

2009 Lecture & Research Scholarship, Dept. of Linguistics, SNU

2006-2007 **Kwanjeong Domestic Scholarship**, Kwanjeong Educational Foundation, South Korea (one of the two recipients in the College of Humanities)

2004-2005 Merit-based Scholarship, SNU (full tuition fee waiver)

2004 Superior Academic Performance Scholarship, SNU (2nd Semester)

JOURNAL PUBLICATIONS

Lee, H-Y. & **Song, J.*** (*accepted*). Evaluating Korean learners' English rhythm proficiency with measures of sentence stress. *Applied Psycholinguistics*

Song, J.* & Iverson, P. (2018). Listening effort during speech perception enhances auditory and lexical processing for non-native listeners and accents, *Cognition 179*, pp. 163-170.

Lee, G. G., Lee, H-Y.*, **Song, J.**, Kim, B., Kang, S., Lee, J. & Hwang, H. (2017). Automatic Sentence Stress Feedback for Non-native English Learners, *Computer Speech and Language 41,* pp. 29-42.

Song, J.*(2013). Variable Schwa Deletion in English: A Corpus Study, *Studies in Phonetics, Phonology and Morphology 19(1)*, pp. 33-52.

Song, J.* & Kiaer, J. *(under revision).* Vocabulary development in typically-developing Korean children aged between 3 and 6: The effects of sociocultural changes

(* indicates the corresponding author)

BOOKS

Kiaer, J. & **Song, J**. (2019). 언어의 아이들: 아이들은 도대체 어떻게 언어를 배울까?, Seoul: Science Books.

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CONFERENCE PRESENTATIONS & PROCEEDINGS

Song, J., Martin, L. & Iverson, P. (2019). Coping with noise at multiple levels: Auditory cortical and lexical effects of maskers for native and non-native listeners**,** *Speech in noise workshop*, Ghent.

Song, J., Martin, L. & Iverson, P. (2018). Neural processing of attended speech in multi-talker environments: Effects of talker number and spatial cues**,** *Attention to Sound*, Milton Keynes.

Song, J. & Iverson, P. (2018). Exploring cortical and subcortical responses to continuous speech, *Auditory EEG Signal Processing symposium (AESoP)*, Leuven.

Song, J. & Kiaer, J. (2018). The role of semantic cues in prosodic disambiguation of wh-phrases in Korean, *The 2018 Colloquium of the British Association of Academic Phoneticians (BAAP)*, Kent.

Lee, H-Y. & **Song, J.** (2017). Features for evaluating Korean learners' English rhythm proficiency, *The 5th International Conference on English Pronunciation: Issues & Practices (EPIP5)*, Caen.

Song, J. & Iverson, P. (2016). Cross-linguistic perception of continuous speech: Neural entrainment to the speech amplitude envelope, *The 172nd meeting of the Acoustical Society of America (ASA 2016 Fall meeting)*, Hawaii.

Iverson, P. & Brint, E., **Song, J**. & Wu, M. (2016). Listening effort and accent in competing-talker speech recognition by native and non-native listeners: Electrophysiological measures of auditory and lexical processing, *The 172nd meeting of the Acoustical Society of America (ASA 2016 Fall meeting)*, Hawaii.

Song, J. & Iverson, P. (2016). An ERP study of speech recognition by native and non-native listeners: The effects of a competing-talker background and accent, *The 3rd Conference on Experimental Approaches to Perception and Production of Language Variation (ExAPP 2016)*, Vienna.

Song, J. & Iverson, P. (2016). Is cortical entrainment to speech a neural correlate of listening effort? *The 8th Annual Meeting for the Neurobiology of Language (SNL 2016)*, London.

Song, J. & Iverson, P. (2016). Speech recognition by native and non-native listeners with a competing-talker background: An ERP study, *The 8th International Conference on Second-Language Speech (New Sounds 2016)*, Aarhus.

Song, J. & Iverson, P. (2016). The effect of accent on speech recognition in a competing-talker background: Neural oscillations and the N400, *Speech Processing in Realistic Environments (SPIRE) workshop*, Groningen.

Song, J. & Iverson, P. (2015). Measuring speech-in-noise intelligibility for spontaneous speech: The effect of native and non-native accents, *Proceedings of the 18th International Congress of Phonetic Sciences (ICPhS 2015)*, Glasgow.

Song, J. (2011). The interlanguage speech intelligibility benefit for experienced nonnative listeners: perception of English lexical stress produced by Korean native speakers, *Proceedings of the 17th International Congress of Phonetic Sciences (ICPhS 2011)*, Hong Kong.

Song, J. (2010). Durational characteristics of English sentences produced by Korean speakers and their role in the degree of perceived foreign accent, *Proceedings of the 2010 Fall Conference of the Korean Society of Speech Sciences*, Seoul.

INVITED TALKS

Song, J. & Kiaer, J (Jan 2019). Departmental seminar series at Oriental Studies, University of Oxford
Title: Interaction of semantic and prosodic cues in the disambiguation of wh-words in Korean

Song, J. (2017). Colloquium in Dept. of Linguistics at Seoul National University.
Title: Second language speech processing in realistic environments:
an electrophysiological investigation

Song, J. (2011). The Joint Seminar on English Phonetics 2011, Seoul.
Title: The intelligibility of English lexical stress produced by Korean native speakers –
effects of language experience on second language perception

PROFESSIONAL SERVICE

2018   Organising **Speech Science Forum seminars**, Speech, Hearing & Phonetic Sciences
(UCL)

Conference reviewing

The 9th International Symposium on the Acquisition of Second Language Speech 2019

The 19th International Congress of Phonetic Sciences (ICPhS 2019)

Ad hoc journal reviewing

The Journal of the Acoustical Society of America

TEACHING EXPERIENCE

2018   **Supervising master student projects** (with Prof Paul Iverson). Minjeong Kim (MA
Linguistics) & Miguel Garcia Tarifa (MSc Language Sciences), Project: Phonetic training
under cognitive load
Riqiang Wang (MA Linguistics), Project: "Extending the perceptual assimilation model from
L2 to L3 and testing its predictions"

2018   **Guest Lecturer**, Module: Development of speech perception and production (MSc), UCL
(Term 1)
Role: Lecture on "Speech development in bilingual children"

2017 - 2019   **Guest Lecturer**, Module: Second language speech learning (MSc), UCL (Term 2)
Role: Lecture on "Listening effort during second language speech perception"

2016   **Guest Lecturer**, Module: Introduction to Speech Sciences (MSc), UCL (Term 1)
Role: Lecture on "The challenge of speech perception" & tutorial on "Spectrographic
analysis of vowels & consonants"

2016   **Guest Lecturer**, Module: Speech production and perception (BSc), UCL (Term 1)
Role: Lecture on "The challenge of speech perception"

2015   **Guest Lecturer**, Module: Introduction to Speech Sciences (MSc), UCL (Term 1)
Role: Lecture on "Fricatives and spectrograms" & tutorial on "Spectrographic analysis of
fricatives"

2015-2017   **Teaching Assistant** for Dr. Jyrki Tuomainen
Module: Introduction to the Event-Related Potential Techniques (MSc & MRes), UCL
(Term 2)
Role: Assisting in the delivery of lab sessions, delivering a lab session on 'Time-frequency
analysis in EEG', marking essays, EEG demonstration & supervising EEG data collection

2015-2016   **Teaching Assistant** for Dr. Bronwen Evans
Module: Phonetics and Phonology (MSc), UCL (Term 1)
Role: Assisting in the delivery of ear training sessions, delivering tutorials & examining
phonetics oral exams

2015-2018	**EEG (Electroencephalography) demonstrator**
	Module: Second-Language Speech Learning (MSc), UCL (Term 2)
	Role: Demonstrating how to set up EEG experiments, handle equipment and record clean EEG data

2009-2010   **Teaching Assistant** for Prof. Ho-Young Lee
Module: World of Languages (Undergraduate), SNU (1st Semester, 2010)
Module: Experimental Phonetics (Postgraduate), SNU (1st Semester, 2009)
Role: Marking exams, teaching students how to make audio recordings of speech & providing technical support in lectures

2009-2010   **Mentor & English Teacher** in Saessak Mentoring Programme for high school students, Saessak Scholarship Foundation

OTHER PROFESSIONAL EXPERIENCE

2011-2013   **Research Assistant & Researcher**
Project: *"Building the Korean Learners' English Accentuation Corpus (KLEAC) for Automatic Accent Detection"* funded by SK Telecom (supervised by Prof. Ho-Young Lee, Co-Investigator)
Role: Contributing to various aspects of the project including annotating sentence stress, data analysis & writing papers

2011   **Research Assistant**
Project: *"A Study of Inter-speaker Variability in Emotional Speech for Speaker Identification"* funded by the Korean Institute of Forensic Sciences (Principal Investigator: Prof. Ho-Young Lee)
Role: Collecting electroglottographic and audio recordings & subject recruitment

2010   **Laboratory Assistant**, Phonetics Lab, Dept. of Linguistics, SNU
Role: Setting up recording equipment for students & maintaining equipment and supplies in the lab

2009   **Research Assistant**
Project: *"Developing English Teaching Robots"* funded by Korea Institute of Science and Technology (supervised by Prof. Ho-Young Lee, Co-Investigator)
Role: Writing the book 'Learning English with Robot –Elementary' & other RA duties such as assisting with workshops

2008-2011   **Research Assistant**
Project: *"Modeling of Korean Prosody for HMM-based Spontaneous Speech Synthesis"* funded by National Research Foundation of Korea (supervised by Prof. Ho-Young Lee, Co-Investigator)
Role: Annotating Korean prosody using SAIL (Semi-Automatic Intonation Labeling System)

PUBLIC ENGAGEMENTS

2014   Event at the Royal Institution: *"Good listeners and smooth talkers: Spoken communication in a challenging world"* (led by Prof. Stuart Rosen, UCL).
Role: EEG demonstration & presenting our research to the general public

LANGUAGES

Korean (Native), English (Fluent), Spanish (Reading knowledge)

OTHER SKILLS

Jieun Song

Statistics: R, SPSS

Programming languages: Matlab, R, Praat

EEG Analysis: Fieldtrip, EEG/ERPLab, SPM

Last updated on 23 May 2019