

SARAH K. HARPER

Department of Linguistics
University of Southern California
3601 Watt Way
Grace Ford Salvatori 301
Los Angeles, CA 90089

Email: skharper@usc.edu
Website: sarahkharper.github.io

EDUCATION

- May 2021 (Projected) Ph.D. in Linguistics, University of Southern California
Preliminary Dissertation Title: *Variation in speech production and perception arises from individual differences in phonological representation.*
- May 2017 M.A. in Linguistics, University of Southern California
M.A. Screening Paper: *Quantifying contributions of individual constrictions to American English /ɹ/ acoustics.*
Committee: Louis Goldstein (chair), Dani Byrd, Rachel Walker
- May 2014 B.A. with High Distinction in Linguistics (Highest Honors) and Spanish, University of Michigan
Phi Beta Kappa, James B. Angell Scholar, University Honors
Thesis: *Phonological Influence in Third Language Acquisition: L2 Spanish Effects on the Production of L3 Portuguese.*
Committee: Patrice Beddor (chair), Nicholas Henriksen

NON-DEGREE

- Summer 2013 Linguistic Society of America Summer Institute
University of Michigan, Ann Arbor, MI
- Summer 2012 Spanish Language, Literature and Culture in Salamanca, Spain
Cursos Internacionales, Universidad de Salamanca

PUBLICATIONS

JOURNAL ARTICLES

- 2020 **Harper, S.**, Goldstein, L., & Narayanan, S. Variability in individual constriction contributions to third formant lowering in American English /ɹ/. *Journal of the Acoustical Society of America*, 147(6), 3905-3916.
- 2018 **Harper, S.**, Lee, S., Goldstein, L., & Byrd, D. Simultaneous electromagnetic articulography and electroglottography data acquisition of natural speech. *Journal of the Acoustical Society of America*, 144(5), EL380-385.
- 2016 Henriksen, N. & **Harper, S.** Investigating lenition patterns in south-central Peninsular Spanish /sp, st, sk/ clusters. *Journal of the International Phonetic Association*, 46(3), 287-310.

Last Update: 6/16/20

REFEREED CONFERENCE PROCEEDINGS

- 2019 **Harper, S.** The relationship between gestural timing and magnitude for American English /l/ across speech tasks. *Proceedings of the 19th International Congress of Phonetic Sciences*, Melbourne, Australia.
- 2016 **Harper, S.**, Goldstein, L., & Narayanan, S. L2 Acquisition and Production of the English Rhotic Pharyngeal Gesture. *Proceedings of the 17th Annual Conference of the International Speech Communication Association (INTERSPEECH 2016)*, San Francisco, CA.

BOOK REVIEWS

- 2014 Henriksen, N., García Amaya, L., & **Harper, S.** (2014). Review of *Prosodic Typology II: The Phonology of Intonation and Phrasing*. Sun-Ah Jun (Ed.). Oxford: Oxford University Press. *Estudios de Fonética Experimental*, 23, 296-300.

IN PREPARATION

- In Prep. **Harper, S.**, & Henriksen, N. Investigating L2-status effects on L3 phonological acquisition from the onset of learning: Experimental data from L1 English, L2 Spanish, and L3 Catalan.
- In Prep. **Harper, S.** Interspeaker differences in anatomical and behavioral features do not account for idiosyncratic articulatory variability.

AWARDS AND FELLOWSHIPS

Awards

- 2020 NSF Student Scholarship, 12th International Seminar on Speech Production, Providence, Rhode Island (Virtual due to COVID-19)
- 2019 Best Student Paper Award, 19th International Congress of Phonetic Sciences
- 2019 IPA Student Award, 19th International Congress of Phonetic Sciences
- 2018 IPA Student Award, 16th Annual Conference on Laboratory Phonology, Lisbon, Portugal
- 2016 Student Travel Award, 15th Annual Conference on Laboratory Phonology, Ithaca, NY
- 2014 Matt Alexander Award – University of Michigan Linguistics Department
- 2014 Student Achievement Award –University of Michigan Department of Romance Languages & Literatures

Fellowships

- 2020-2021 Graduate School Fellowship – University of Southern California
- 2018-2020 Pre-doctoral Fellow, Hearing and Communication Neuroscience Program (NIH T32 Training Grant) – University of Southern California
- 2015- 2020 Provost's Fellowship – University of Southern California
- 2015-2016 Graduate School Fellowship – University of Southern California

CONFERENCE PRESENTATIONS

- 2021 **Harper, S.** Idiosyncratic articulatory variability reflects individual differences in segmental representation. Poster presented virtually at the 95th Linguistic Society of America Annual Meeting, January 9th, 2021.
- 2020 **Harper, S.** Variability of articulatory dimensions relates to their role in distinguishing phonological categories for individual speakers. Poster presented virtually at the 12th International Seminar on Speech Production.
- 2020 **Harper, S.** Variability in articulation and acoustics relates to the differentiation of segment pairs across speakers. Poster presented virtually at the 179th Meeting of the Acoustical Society of America.
- 2020 **Harper, S.** Consistency in difference: The relationship between articulatory variability and segment differentiation for individual speakers. Poster presented virtually at LabPhon17.
- 2020 **Harper, S.** Consistency in difference: The relationship between articulatory variability and segment differentiation for individual speakers. Lightning talk and poster presented virtually at *Situating phonological contrast within the production-perception loop* (Satellite workshop for LabPhon17).
- 2019 **Harper, S. & Goldstein, L.** Variability is variable: Individual differences in articulatory variation. Poster presented at the 178th Meeting of the Acoustical Society of America, San Diego, California, December 6th, 2019.
- 2019 **Harper, S.** The relationship between gestural timing and magnitude for American English /l/ across speech tasks. Talk given at the 19th International Congress of Phonetic Sciences, Melbourne, Australia, August 2019.
- 2019 **Harper, S.** Intrasegmental gestural timing for American English /r/ in Isolated and Connected Speech. Talk given at Phonetics and Phonology in Europe (PaPE) 2019, Lecce, Italy, June 2019.
- 2018 **Harper, S., Goldstein, L., & Narayanan, S.** Stylistic effects on the acoustic and articulatory properties of American English rhotics. Poster presented at SoCal Hearing, Los Angeles, California, September 2018.
- 2018 **Harper, S., Goldstein, L., & Narayanan, S.** Quantifying labial, palatal and pharyngeal contributions to rhotic F3 lowering. Talk given at LabPhon 16, Lisbon, Portugal, June 2018.
- 2017 **Harper, S., Goldstein, L., & Narayanan, S.** Quantifying labial, palatal and pharyngeal contributions to third formant lowering in American English /ɹ/. Poster presented at the 174th Meeting of the Acoustical Society of America, New Orleans, Louisiana, December 5th 2017.
- 2017 **Harper, S., Lee, S., Goldstein, L., & Byrd, D.** On simultaneous electromagnetic articulography and electroglottography data acquisition. Poster presented at the 174th Meeting of the Acoustical Society of America, New Orleans, Louisiana, December 5th 2017.
- 2017 Henriksen, N., & **Harper, S.** (joint first authors). L2 status affects L3 learning from the onset of acquisition: A developmental study of L1 English, L2 Spanish

- and L3 Catalan. Talk given at Phonetics and Phonology in Europe (PaPE) 2017, Cologne, Germany.
- 2017 **Harper, S.**, Goldstein, L., & Narayanan, S. Stylistic Effects on the Acoustic and Articulatory Properties of English Rhotics. Poster presented at Phonetics and Phonology in Europe (PaPE) 2017, Cologne, Germany.
- 2016 **Harper, S.**, Goldstein, L., & Narayanan, S. L2 Acquisition and Production of the English Rhotic Pharyngeal Gesture. Poster presented at the 17th Annual Conference of the International Speech Communication Association (INTERSPEECH), San Francisco, CA, September 2016.
- 2016 **Harper, S.** Phonological Influence in Third Language Acquisition: L2 Spanish Effects on the Production of L3 Portuguese Voiced Stops. Poster presented at LabPhon 15, Ithaca, New York, July 2016.
- 2016 **Harper, S.** L2 Spanish Effects on L3 Portuguese Voiced Stop Production. Talk given at the 8th International Symposium on the Acquisition of Second Language Speech (New Sounds), Aarhus, Denmark, June 2016.
- 2014 Henriksen, N. & **Harper, S.** Reconsidering s-lenition: An acoustic analysis of /sp, st, sk/ clusters in Manchego Spanish. Poster presented at the Linguistics Society of America Annual Meeting, Minneapolis, Minnesota, January 4th 2014.

RESEARCH EXPERIENCE

Research Assistantships

- Summer 2017,
Fall 2017,
Summer 2018,
Summer 2019 Research Assistant, Phonetics Laboratory, USC Department of Linguistics (PI: Dani Byrd)
- Summer 2016 Research Assistant, Speech Articulation and Knowledge (SPAN) Lab, USC (PI: Shrikanth Narayanan)
- 2013-2015 Research Assistant for Prof. Nicholas Henriksen, University of Michigan Department of Romance Languages & Literatures.
- 2013-2014 Assistant in Research, Michigan Project on Oral Language, Writing and Reading (M-POWR), University of Michigan School of Education (PI: Holly Craig)

TEACHING EXPERIENCE

Teaching Assistantships

- Fall 2016, Teaching Assistant for LING 210: Introduction to Linguistics
Spring 2017, University of Southern California
Spring 2018 (Instructors: Prof. Stefan Keine, Prof. Karen Jesney)

Guest Lectures

- 2018 “Phonological Acquisition in a Third Language.” Spanish 487: Spanish Second Language Phonology (University of Michigan), March 2018.
- 2015 “Third Language Acquisition.” Spanish 487: Second Language Acquisition (University of Michigan), April 2015.

Pedagogical Tools

- 2018 Blaylock, R., & **Harper, S.** IPA Hangman: A pedagogical tool. Demo given at Southern California April Meeting in Phonology, April 7th, 2018.
Teaching resource available at <http://reedblaylock.com/ipahangman.html>

Training

- Fall 2019 Participant in Future Faculty Teaching Institute
Center for Excellence in Teaching, University of Southern California

SERVICE

Service to Profession

- 2020 Abstract reviewer, LabPhon17
- 2017 Article Reviewer, *Studies in Hispanic and Lusophone Linguistics*
- Oct. 2016 Volunteer Coordinator, 2016 Annual Meeting in Phonology at the University of Southern California

Departmental Service

- 2018-2019 Colloquium Coordinator, Graduate Students in Linguistics (GSiL), University of Southern California
- 2018-2019 Graduate Student Mentor, University of Southern California Department of Linguistics
- 2016-2017 Event Coordinator, Graduate Students in Linguistics (GSiL), University of Southern California
- 2012-2014 Student Representative, Undergraduate Affairs Committee, University of Michigan Department of Linguistics

PROFESSIONAL SKILLS

Technical Skills:

Matlab (proficient)
R (proficient)
Praat (proficient)
CSS/HTML (intermediate)
Python (basic)

Languages:

English (native)
Spanish (proficient)
Brazilian Portuguese (intermediate)

Data Acquisition and Analysis:

Real-time MRI (experiment design and data analysis)

Electromagnetic Articulography (NDI WAVE) (experiment design, data acquisition and data analysis)

Electroglottography (experiment design, data acquisition and data analysis)