

## Sandie Keerstock, PhD

Department of Linguistics, The University of Texas at Austin  
Patton Hall 4.304, 305 E 23rd St. B5100, Austin, TX 78712  
keerstock@utexas.edu

### Education

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2020	<b>Ph.D. Linguistics</b> , The University of Texas at Austin Dissertation: Memory for speech of varying intelligibility: effects of perception and production of clear speech on recall and recognition memory for native and non-native listeners and talkers. Advisor: R. Smiljanic
2018	<b>M.A. Linguistics</b> , The University of Texas at Austin Concentrations: Phonetics & Phonology, Statistics
2015	<b>M.A. Phonetics &amp; Phonology</b> , Paris III Sorbonne Nouvelle-Paris VII Diderot, FR Thesis topic: Acoustic analysis of vocalic expansion in clear speech in Korean. Co-chairs: I. Chitoran, C. Fougeron
2012	<b>M.A. Teaching French as 2nd Language</b> , Grenoble III Stendhal University, FR Thesis topic: Promotion of French language by an intercultural pedagogical approach at Korea Military Academy
2009	<b>B.A. English Studies</b> , Université de Pau et des Pays de l'Adour, FR

### Research Experience

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2015-present	UT Sound Lab (PI: R. Smiljanic). The University of Texas at Austin. Graduate Student Researcher. Behavioral experiments (E-Prime, Matlab, PsychoPy) on speech perception & production, speech intelligibility (clear speech), second language processing, psycholinguistics and auditory/verbal memory.
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### Publications

#### Peer-reviewed articles

1. **Keerstock, S., & Smiljanic, R.** (2019). Clear speech improves listeners' recall. *The Journal of the Acoustical Society of America*, 146(6), 4604–4610. <https://doi.org/10.1121/1.5141372>
2. **Keerstock, S., & Smiljanic, R.** (2018). Effects of intelligibility on within- and cross-modal sentence recognition memory for native and non-native listeners. *The Journal of the Acoustical Society of America*, 144(5), 2871–2881. <https://doi.org/10.1121/1.5078589>

#### In progress

1. **Keerstock, S., and Smiljanic, R.** Talkers' recognition memory and recall of clearly spoken sentences. Manuscript to be submitted to *The Journal of the Acoustical Society of America*. 95% completed
2. **Keerstock, S., Chandrasekaran, B., and Smiljanic, R.** Intelligibility of speaking styles elicited by various instructions by native and non-native talkers. Manuscript to be submitted to *Journal of Speech, Language, and Hearing Research*. 90% completed
3. **Keerstock, S., and Smiljanic, R.** Overnight consolidation of perception of speech of varying intelligibility. 15% completed.

4. **Keerstock, S., Ballard, F., and Smiljanic, R.** The effect of foreign-accented speech of varying intelligibility on native listeners' recognition memory. 10% completed.

### Conference proceedings

1. Holgate, E., **Keerstock, S., Tyeklar, N., and Pinette, L., Eds.** (2016). Proceedings from the Symposium About Language and Society Austin XXIV, Texas Linguistic Forum, 59.

### Conference Presentations

The presentations at the Acoustical Society of America meetings are listed as citable abstracts published in the *Journal of the Acoustical Society of America*.

1. **Keerstock, S., Ballard, F., Shaddock, G. & Smiljanic, R.** (2020). Enhanced memory for sentences read aloud conversationally vs. clearly: evidence from sentence recognition memory and recall. *The Acoustical Society of America*, Chicago, IL (postponed-Covid19)
2. **Keerstock, S., & Smiljanic, R.** (2019). Reading aloud in a clear speaking style may interfere with sentence recognition memory. *The Journal of the Acoustical Society of America*, 145(3), 1911–1911. Louisville, KY. <https://doi.org/10.1121/L5101936>
3. **Keerstock, S., Smiljanic, R.** (2019). Memory for speech of varying intelligibility. Conference on Learning and Memory. The University of Texas at Austin, Austin, TX. April 26-27, 2019.
4. **Keerstock, S., & Smiljanic, R.** (2018). Recall of clearly spoken sentences. *The Journal of the Acoustical Society of America*, 144(3), 1727–1727. Victoria, BC, Canada. <https://doi.org/10.1121/L5067662>
5. **Keerstock, S., Smiljanic, R.** (2018). Sources of enhanced sentence recognition memory for native and non-native listeners. 16th Conference on Laboratory Phonology, Lisbon, Portugal.
6. Shafiro, V., Smiljanic, R., & **Keerstock, S.** (2018). Semantic context modulates intelligibility advantage of clear speech in temporally compressed sentences. *The Journal of the Acoustical Society of America*, 143(3), 1921–1921. Minneapolis, MN. <https://doi.org/10.1121/L5036268>
7. **Keerstock, S., & Smiljanic, R.** (2017). Effects of intelligibility on within- and cross-modal sentence recognition memory. *The Journal of the Acoustical Society of America*, 141(5), 4038–4039. Boston, MA. <https://doi.org/10.1121/L4989323>

### Presentations with undergraduate mentees at UT research events

(\* indicates undergraduate student mentees)

1. \*Shaddock, G., \*Ballard, F., **Keerstock, S., Smiljanic, R.** (2020). Reading sentences aloud in casual speaking style improves memory more than reading aloud in clear speaking style. UT undergraduate research week and Linguistics Research Showcase. [Link](#).
2. \*Ballard, F., **Keerstock, S., Smiljanic, R.** (2020). Effects of Speaking Style and Foreign-Accentedness On Sentence Recognition Memory. UT undergraduate research week and Linguistics Research Showcase. [Link](#).

3. \*De La Cruz, L., \*Shaddock, G., \*Ballard, F., **Keerstock, S.**, Smiljanic, R. (2019). Speaking clearly can improve listener memory. UT undergraduate research week and Linguistics Research Showcase.
4. \*Peña, J., \*Ray, H., \*Smith, I., **Keerstock, S.**, and Smiljanic, R. (2017). Effects of intelligibility on sentence recognition memory for native and non- native English listeners. UT undergraduate research week, Linguistics Research Showcase and Liberal Arts Honors Day.

## Media Coverage of Research

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1. Smith, M. (2019, March 3). Chatty teachers beware: formal delivery boosts learning. *Times Educational Supplement*. Retrieved from <https://www.tes.com/news/chatty-teachers-beware-formal-delivery-boosts-learning>
2. Acoustical Society of America. (2018, November 5). How clear speech equates to clear memory: Researchers find that a speaker's clearly articulated style can improve a listener's memory of what was said. *ScienceDaily*. Retrieved May 8, 2019 from [www.sciencedaily.com/releases/2018/11/181105200736.htm](http://www.sciencedaily.com/releases/2018/11/181105200736.htm)
3. Vandette, K. (2018, November 27). Speaking clearly shown to improve the listener's ability to remember. *Earth*. Retrieved from <https://www.earth.com/news/speaking-clearly-listeners-remember/>
4. Bergland, C. (2018, November 5). Tricky Tongue Twisters Can Teach Us to Speak More Memorably. *Psychology Today*. Retrieved from <https://www.psychologytoday.com/us/blog/the-athletes-way/201811/tricky-tongue-twisters-can-teach-us-speak-more-memorably>
5. Dural, K. (2018, December 5). UT researchers find that speaking clearly helps listener better retain what was said. *The Daily Texan*. Retrieved from <http://www.dailytexanonline.com/2018/12/05/ut-researchers-find-that-speaking-clearly-helps-listener-better-retain-what-was-said>

## Fellowships/Awards/Honors

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2019-2020	Graduate Continuing Fellowship - Graduate School, The University of Texas at Austin (\$56,000). Competitive support in the final 5 <sup>th</sup> year of Ph.D. program for major accomplishments and well-defined program of research.
2016-2019	Recruitment Fellowship - Graduate School, The University of Texas at Austin (4 awards, \$25,000 total). Awards funded by the for graduate students ranking within the top 10 percent of all students in their discipline.
2018-2019	Carlotta Smith Research Fellowship - Department of Linguistics, The University of Texas at Austin (2 awards, \$1,700 total). Support for graduate students' research in Linguistics.
2017-2019	Student Travel Subsidy, Acoustical Society of America (4 awards, \$765 total)
2018	Student Travel Grant, Laboratory Phonology LabPhon16 (\$500)

- 2017-2018 Professional Development Award - Department of Linguistics, The University of Texas at Austin (3 awards, \$1,931 total). Support for presentation of original paper at major professional meetings.
- 2017 Best Student Paper Award in Speech Communication (First Prize) - Acoustical Society of America. Award for Effects of intelligibility on within- and cross-modal sentence recognition memory. *The Journal of the Acoustical Society of America*, 141(5), 4038–4039. Boston, MA. <https://doi.org/10.1121/1.4989323>
- 2017 Teaching Certificate in First-Year Interdisciplinary Instruction - School of Undergraduate Studies, The University of Texas at Austin. For contributions to the University of Texas at Austin's Signature Course Teaching Assistant Program.

## Teaching Experience

### Teaching Assistant - The University of Texas at Austin

#### Department of Linguistics

*Responsibilities: graded weekly homework and exams, held weekly office hours, prepared and lead regular review sessions, lead in-class lab activities, guest lectured*

- Fall 2016 & Spring 2019 Phonetics: The Production and Perception of Speech Sounds [Fall 2016: 27 students & Spring 2019: 32 students]
- Spring 2016 Sound Patterns: Sound to Word (Phonology) [23 students]
- Fall 2015 & Spring 2018 Intro To The Study Of Language (Intro to Linguistics) [Fall 2015: 151 students & Spring 2018: 65 students]

#### Department of Communication Sciences and Disorders & Linguistics

*Responsibilities: held weekly office hours, prepared and lead bi-monthly review sessions*

- Fall 2017 & 2018 Language and the Brain Topics: Neuroanatomy & neurophysiology, research methodologies (ERPs, brain imaging), neuropathology (aphasias), hemispheric specialization for language. [Fall 2017: 74 students & Fall 2018: 100 students]

#### Department of Undergraduate Studies & Linguistics

*Responsibilities: Lead 3h/week discussion sections in which I taught interdisciplinary content, oral presentation, information literacy, use of campus resources, University Lecture Series. held weekly office hours, graded weekly homework and exams.*

- Spring 2017 Mayan Languages in Space and Time [40 students]  
Lead weekly discussion sections. Taught interdisciplinary content, oral presentation, information literacy, use of campus resources, University Lecture Series

### French language instructor of record

*Responsibilities: conceived and taught beginner to advanced French language courses, including advanced grammar, pronunciation/phonetics activities & cultural activities to adult learners*

- 2013-2014 Korean delegation to OECD and UNESCO, Paris, **France**.

2011-2012	Military Academy of Republic of Korea, Seoul, <b>South Korea</b> . Appointed by the Ministry of Foreign Affairs of France.
Spring 2011	National University of Hanoi, <b>Vietnam</b> . Appointed by the Agence universitaire de la Francophonie.
2010	Alliance Française, Daegu, <b>South Korea</b> (May-Nov).

## Mentoring

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2015-present	The University of Texas at Austin Trained and mentored 15 undergraduate research assistants at the UT Sound Lab in conducting behavioral experiments with subject pool and paid participants (coding experiments, running subjects, saving and analyzing data and preparing poster presentations)
2009-2010	Paris V Descartes University, France. Mentored international students enrolled at Paris V; language, academic and cultural mentoring.

## Community Outreach

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2018 & 2019	Participation with UT Sound Lab at Explore UT, campus-wide open house for community members providing research experience & hands-on demonstrations.
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## Workshops

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2018	Acoustical Society of America School 2018 in Chaska, Minnesota. 3-day immersion to learn about and discuss a wide variety of topics related to the interdisciplinary acoustical theme Living in the Acoustic Environment.
2014-2019	Jury-evaluator of DELF-DALF (certification for French language proficiency). Habilitation des examinateurs-correcteurs des épreuves du DELF-DALF. Accredited by the French Ministry of Education. Five-year validity.

## Service

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2020	Tech Support, Registration Desk Attendant - Texas Linguistics Society
2018	Abstracts reviewer, Texas Linguistics Society
2015-present	Member of the Associated Students of Linguistics - The University of Texas at Austin. Collect donations, manage funds & organize events.
2015-2016	Conference Co-Organizer - Symposium About Language and Society Austin (SALSA XXIV), The University of Texas at Austin. Selected theme, keynote speakers and presenters. Coordinated fundraising, catering, A/V services for the 2-day conference, hosted on campus. Edited conference proceedings.

## Languages

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Native or near-native: French (native), English  
 Limited working proficiency: Spanish, Occitan, Korean

## Technical Skills

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Proficient: R | E-Prime | Qualtrics | Inkscape | Praat | GitHub

Familiar: SQL | SAS | PsychoPy

## Professional Memberships

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The Acoustical Society of America

The Association for Laboratory Phonology (LabPhon)

## Professional Reference

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Rajka Smiljanic, Professor

Department of Linguistics, University of Texas at Austin

RLP 4.724, 305 E. 23rd Street Mail Code B5100 Austin, TX 78712

Phone: (512) 471-9029

Email: rajka@austin.utexas.edu

Lab webpage: <https://utsoundlab.wordpress.com/>

Scott Myers, Professor

Department of Linguistics, University of Texas at Austin

RLP 4.726, 305 E. 23rd Street Mail Code B5100 Austin, TX 78712

Phone: (512) 471-9032

Email: s.myers@mail.utexas.edu

Valeriy Shafiro, Associate Professor

Department of Communication Disorders and Sciences, Rush University

600 S. Paulina St. 1015 AAC Chicago, IL 60612

Phone: (312) 942-3298

Email: valeriy\_shafiro@rush.edu

Harvey Sussman, Professor

Department of Linguistics & Department of Communication Sciences and Disorders

University of Texas at Austin

RLP 4.730, 305 E. 23rd Street Mail Code B5100 Austin, TX 78712

Phone: (512) 471-9002

Email: sussman@austin.utexas.edu