

WEDNESDAY BUSHONG

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EDUCATION

University of Rochester

Ph.D, Brain & Cognitive Sciences

M.A., Brain & Cognitive Sciences

May 2020 (expected)

June 2018

University of California, San Diego

B.S., Cognitive Neuroscience, with Distinction

B.A., Linguistics, with Distinction

June 2015

PUBLICATIONS AND PRESENTATIONS

Publications

Bushong, W. and Jaeger, T. F. (2019). Dynamic re-weighting of acoustic and contextual cues in spoken word recognition. *The Journal of the Acoustical Society of America*, 146(2), EL135-EL140.

Bicknell, K., **Bushong, W.**, Tanenhaus, M., and Jaeger, T. F. (in revision). Listeners can maintain and rationally update uncertainty about prior words.

Conference Proceedings

Bushong, W. and Jaeger, T. F. (2019). Memory maintenance of gradient speech representations is mediated by their expected utility. In *Proceedings of the Forty-First Annual Conference of the Cognitive Science Society*.

Bushong, W. and Jaeger, T. F. (2019). Modeling long-distance cue integration in spoken word recognition. In *Proceedings of NAACL 2019 Cognitive Modeling and Computational Linguistics Workshop*.

Bushong, W., and Jaeger, T. F. (2017). Maintenance of perceptual information in speech perception. In *Proceedings of the Thirty-Ninth Annual Conference of the Cognitive Science Society*.

Conference Abstracts

Bushong, W. and Jaeger, T. F. (2018, September). *Modeling long-distance cue integration in spoken word recognition*. Poster presented at the Forty-First Annual Conference of the Cognitive Science Society, Montreal, Canada. **Also presented at CMCL 2019 (see Conference Proceedings)*

Bushong, W. and Jaeger, T. F. (2018, September). *Expected utility of later context mediates maintenance of subcategorical information*. Poster presented at the 24th Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP), Berlin, Germany. **Also presented at CogSci 2019 (see Conference Proceedings)*

Bushong, W. and Jaeger, T. F. (2018, September). *Cue reliability and adaptive re-weighting in spoken word recognition*. Poster presented at the 24th Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP), Berlin, Germany. **Also presented at CUNY 2018*

Bushong, W., Burchill, Z., and Jaeger, T. F. (2018, September). *Understanding changes in garden-paths as expectation adaptation*. Poster presented at the 24th Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP), Berlin, Germany.

Burchill, Z., **Bushong, W.** and Jaeger, T. F. (2018, September). *Wasted power and false interactions in reading time analyses*. Poster presented at the 24th Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP), Berlin, Germany.

Bushong, W. and Jaeger, T. F. (2018, March). *Cue reliability and re-weighting in speech perception*. Poster presented at the 31st Annual CUNY Conference on Human Sentence Processing, Davis, CA.

Bushong, W., and Jaeger, T. F. (2017, March). *Expectation adaptation to high-level linguistic constraints on word order*. Talk presented at the 30th Annual CUNY Conference on Human Sentence Processing, Cambridge, MA.

Bushong, W., Bicknell, K., and Jaeger, T. F. (2017, March). *Listeners maintain uncertainty about linguistic input*. Poster presented at the 30th Annual CUNY Conference on Human Sentence Processing, Cambridge, MA. **Also presented at CogSci 2017 (see Conference Proceedings)*

Bushong, W. and Jaeger, T. F. (2016, October). *Processing the relative ordering of definite and indefinite noun phrases*. Poster presented at the Dimensions of D Workshop, Rochester, NY.

Bushong, W., Morgan, E., Yen, M., and Levy, R. (2015, September). *Compositional and holistic representations in multiword expressions*. Poster presented at the 21st Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP), Valletta, Malta.

Bushong, W., Ürgen, B. A., Miller, L. E., and Saygin, A. P. (2015, May). *Influence of form and motion on biological motion prediction*. Poster presented at Vision Sciences Society 15th Annual Meeting, St. Pete, Florida.

Invited Presentations

Bushong, W. (2019, May). Uncertainty maintenance during spoken word recognition. Talk presented to ALPS Lab, Stanford University.

Bushong, W., Burchill, Z., and Jaeger, T. F. (2018, September). Learning to expect the unexpected: adaptation to new distributions of grammatical structures. NSF NRT PI Meeting, Washington, D.C.

Bushong, W. (2017, September). Maintenance of perceptual information in speech perception. University of Rochester NRT Mini-Conference, Rochester, NY.

Theses

Bushong, W. (2015). *Compositional and holistic processing in novel and attested multiword expressions*. Undergraduate Honors Thesis, Department of Linguistics, UC San Diego. (advisor: Roger Levy)

Bushong, W. (2015). *Influence of form and motion on biological motion prediction*. Undergraduate Honors Thesis, Department of Cognitive Science, UC San Diego. (committee: Ayşe Saygin, Seana Coulson, Burcu Ürgen)

TEACHING EXPERIENCE

Instructor, CSP 502: Cognitive Foundations of Behavior August 2019
University of Rochester

Co-Instructor, BCS 152: Language and Psycholinguistics August – December 2018
University of Rochester

Teaching Assistant, BCS 152: Language and Psycholinguistics August – December 2017
University of Rochester

Teaching Assistant, CSP 519: General Linear Models II January – May 2017
University of Rochester

Teaching Assistant, BCS 111: Foundations of Cognitive Science August – December 2016
University of Rochester

Instructional Assistant, COGS 14A: Introduction to Research Methods (undergraduate) Sep – Dec 2013
University of California, San Diego

AWARDS AND HONORS

Donald M. and Janet C. Barnard Fellowship, University of Rochester	2018 – 2019
Edward Peck Curtis Award for Excellence in Graduate Teaching, University of Rochester	2018
NSF National Research Training (NRT) Fellowship, University of Rochester	2016 – 2018
NSF Graduate Research Fellowship Honorable Mention	2015
Provost Fellowship, University of Rochester	2015 – 2017
Outstanding Graduate in Linguistics, UC San Diego	2015

SERVICE

Committee Service

Graduate Representative, Transportation Advisory Committee <i>University of Rochester</i>	Fall 2019 – Spring 2020
Graduate Representative, Title IX Education Assessment Committee <i>University of Rochester</i>	Fall 2018 – Spring 2020
Graduate Representative, Graduate Admissions Committee <i>Department of Brain & Cognitive Sciences, University of Rochester</i>	Fall 2018 – Spring 2019

Student Organizations

Diversity Officer, Graduate Student Association <i>University of Rochester</i>	June 2019 – May 2020
IT Officer, Graduate Student Association <i>University of Rochester</i>	June 2016 – May 2018
Vice President, Cognitive Science Student Association <i>University of California, San Diego</i>	July 2014 – June 2015
Professional Chair, Cognitive Science Student Association <i>University of California, San Diego</i>	December 2013 – June 2014
President, Linguistics Undergraduate Association <i>University of California, San Diego</i>	July 2013 – June 2015

Ad-hoc Reviewing

Memory & Cognition; Cognitive Science; The Annual Meeting of the Cognitive Science Society