

# KEVIN B. MCGOWAN

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## EDUCATION

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Ph.D. Linguistics, University of Michigan, 2006–2011  
Dissertation: *The Role of Socioindexical Expectation in Speech Perception*  
Steven P. Abney & Patrice Speeter Beddor, co-chairs  
Julie Boland, Robin Queen, & Benjamin Munson, readers

Linguistic Institute, Stanford University, 2007

B.A. Linguistics, University of Michigan, 1996

## EMPLOYMENT

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Assistant Professor, Department of Linguistics, University of Kentucky, 2015–

Postdoctoral Scholar, Department of Linguistics, Stanford University, 2013–2015

Lecturer, Department of Linguistics, Rice University, 2011–2013

## PROFESSIONAL EXPERIENCE

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Invited Faculty, LSA Summer Institute, Lexington, 2017

Invited instructor, LSA Annual Meeting, Portland, 2015

Invited Faculty, LSA Summer Institute, Ann Arbor, 2013

Journal Assistant, *Language Learning Journal*, Blackwell Publishing, 2007–2010

Research Assistant, Professor Pam Beddor, Michigan Phonetics & Phonology Laboratory, 2009–2010

Research Assistant, Professors Pam Beddor & Andries Coetzee, Michigan Phonetics & Phonology Laboratory, 2007–2008

Programmer, Unix Administrator, and Manager, Information Technology Division, University of Michigan, 1997–2007

## GRANTS, FELLOWSHIPS & HONORS

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Confucius Institute Faculty China Curriculum Development Grant, \$1000, March 2016

Rackham Predoctoral Fellowship, Rackham School of Graduate Studies, University of Michigan, 2010–2011

Humanities Candidacy Fellowship, University of Michigan, 2010

National Science Foundation, Honorable Mention, Graduate Research Fellowship, 2008

Pre-Candidate Research Grant, Rackham Graduate Student Research Grant, Rackham Graduate School, University of Michigan, 2008

Linguistic Society of America, LSA Linguistic Institute Fellowship, LSA Summer Institute, Stanford University, 2007

NAACL Scholarship for JHU Summer School on Human Language Technology, North American Chapter of the Association for Computational Linguistics, 2006

## PUBLICATIONS

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McGowan, K.B. and Sumner, M. (in prep) Voice onset time and subcategorical mismatches; the effect of speech style.

McGowan, K.B. (in prep) Coarticulation is signal, not noise.

Babel, A. and McGowan, K.B.(under review) Perceiving isn't believing: listeners' expectation and awareness of phonetically-cued social information.

Beddor, P.S., Coetzee, A., Styler, W., McGowan, K.B., and Boland, J.E. (under review) The time course of individuals' perception and production of coarticulatory information, and its implications for sound change.

Medeiros, D.J., Mains, P., and McGowan, K.B. (under review) Ceiling Effects on Weight in Heavy NP Shift.

Sumner, M., McGowan, K.B., D'Onofrio, A., and Pratt, T. (in prep) The Contribution of Form and Meaning to the Processing of Careful and Casual Speech. *Language and Cognition*

McGowan, K.B. (2016) Sounding Chinese and Listening Chinese: Perception, Imitation, and Authenticity. In *Awareness and Control in Sociolinguistics Research*, ed. by A.M. Babel. Edited volume to be published by Cambridge University Press.

McGowan, K.B. (2015) Social Expectation improves Speech Perception in Noise. *Language and Speech*  
doi: 10.1177/0023830914565191

Sumner, M., Kim, S., King, E., & McGowan, K. B. (2013). The socially-weighted encoding of spoken words: A dual-route approach to speech perception. *Frontiers in Psychology*, 4, 1015.

Beddor, P.S., McGowan, K.B., Boland, J.E., Coetzee, A., and Brasher, A. (2013) The time course of perception of coarticulation. *Journal of the Acoustical Society of America*, 133(4):2350-2366.

McGowan, K.B. (2012) Gradient Lexical Reflexes of the Syllable Contact Law. *Proceedings of the Annual Meeting of the Chicago Linguistics Society 45*, Volume I, R. Bochnak, N. Nicola, P. Klecha, J. Urban, A. Lemieux and C. Weaver (Eds.), p. 445-454. Chicago Linguistics Society: Chicago.

## INVITED TALKS & COLLOQUIA

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**November, 2016** University of Michigan – Subcategorical mismatches can be mismatches of phonetic, phonological, lexical, and social context.

**April, 2016** SUNY, Buffalo – Speech perception is social.

**March, 2016** North Carolina State University – Socially informed speech perception: context, congruency, and complications

**2014** UC Berkeley, Phorum – Perceiving isn't believing: listeners' expectation and awareness of phonetically-cued social information (with A.M. Babel)

**2012** Rice University – Claims about processing require online tasks: disjunction of AXB and interview results in a Bolivian crossroads. (with A.M. Babel)

**2012** University of Texas, Austin – Social expectation and theories of speech perception.

**2011** Rice University – The role of socioindexical expectation in speech perception.

## PRESENTATIONS & POSTERS

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**2015** McGowan, K.B. and Sumner, M. A phonetic explanation of pronunciation variant effects. 89<sup>th</sup> Annual Meeting of the Linguistic Society of America

**2015** Sumner, M., McGowan, K.B., D’Onofrio, A., and Pratt, T. The contribution of form and meaning to the processing of careful and casual speech. 89<sup>th</sup> Annual Meeting of the Linguistic Society of America

**2015** Mains, P., McGowan, K.B., and Medeiros, D. Gradient acceptability by length in heavy NP shift. 89<sup>th</sup> Annual Meeting of the Linguistic Society of America

**2015** Moores, N.P., McGowan, K.B., Sumner, M. and Frank, MC. Children use phonetically-cued talker information to infer speaker meaning. Poster, 89<sup>th</sup> Annual Meeting of the Linguistic Society of America

**2014** Moores, N.P., McGowan, K.B., Sumner, M., and Frank, M.C. Children use phonetically-cued talker information to disambiguate similar objects. The 55<sup>th</sup> Annual Meeting of the Psychonomics Society, Long Beach, CA

**2014** McGowan, K.B. Sumner, M., D’Onofrio, A., and Pratt, T. The contribution of form and meaning to the processing of careful and casual speech. 27<sup>th</sup> Annual CUNY Conference on Human Sentence Processing. Columbus, OH

**2014** Sumner, M., Calder, J., D’Onofrio, A., McGowan, K.B., and Pratt, T. Top-down vs. bottom-up processing depends on the acoustic composition of an utterance. 88<sup>th</sup> Annual Meeting of the Linguistic Society of America

**2013** Sumner, M.; D’Onofrio, A.; McGowan, K.; Pratt, T.; and Calder, J. Differences in the recognition of careful and casual speech. Poster, 166<sup>th</sup> Meeting of the Acoustical Society of America

**2013** McGowan, K.B. and Babel, A.M. Perception of Spanish in Contact: Bolivian listeners’ expectation and awareness of socioindexical variation. Workshop on Sound Change Actuation, University of Chicago

**2013** McGowan, K.B. Sounding Chinese and Listening Chinese: Imitation, Perception, and Awareness of Non-Native Phonology. Part of panel, *Awareness & control in sociolinguistic research*. 87<sup>th</sup> Annual Meeting of the Linguistic Society of America

**2012** Babel, A.M. and McGowan, K.B. Social Categorization and Levels of Awareness: A Cross-Disciplinary Study. Part of panel, *Voices in Movement: Phonetic Border Crossings*. American Anthropological Association annual meeting.

**2012** McGowan, K.B. The influence of socioindexical expectations on speech perception in noise. 86<sup>th</sup> Annual Meeting of the Linguistic Society of America

**2011** McGowan, K.B. The influence of socioindexical expectations on speech perception in noise. Poster, 162<sup>nd</sup> Meeting of the Acoustical Society of America

**2011** McGowan, K.B. and Medeiros, D. J. Tongues don’t twist –mental representations do. 85<sup>th</sup> Annual Meeting of the Linguistic Society of America

**2011** McGowan, K.B. Are you experienced? Socio-indexical knowledge and naïve listeners. Poster, 85<sup>th</sup> Annual Meeting of the Linguistic Society of America

- 2010** McGowan, K.B. Examining Listeners' Use of Sociolinguistic Information During Early Phonetic Judgments: Evidence from eye-tracking. *New Ways of Analyzing Variation (NWAV 39)*
- 2010** McGowan, K.B. Listener Expectations and the Processing of Foreign-Accented Speech. *Mid-Continental Workshop on Phonology (MCWOP 16)*
- 2010** Beddor, P.S., McGowan, K.B., Boland, J., and Coetzee, A. The Perceptual Time Course of Coarticulation. Poster, *Laboratory Phonology (LabPhon 12)*
- 2010** McGowan, K.B. Aerodynamic Modeling of Coarticulation for Unit Selection Synthesis. Poster, *84<sup>th</sup> Annual Meeting of the Linguistic Society of America*
- 2009** Beddor, P.S., McGowan, K.B., Boland, J., and Coetzee, A. The Perceptual Time Course of Coarticulatory Nasalization. Poster, *158<sup>th</sup> Meeting of the Acoustical Society of America*
- 2009** McGowan, K.B. Aerodynamic Modeling for Concatenative Speech Synthesis. Poster, *158<sup>th</sup> Meeting of the Acoustical Society of America*
- 2008** McGowan, K.B. Pointwise Mutual Information and the Syllable Contact Law. *Mid-Continental Workshop on Phonology (MCWOP 14)*
- 2008** Coetzee, A. and McGowan, K.B. Allophonic cues to syllabification. *CUNY Conference On The Syllable*
- 1994** Bailey, R.W. and Kevin B. McGowan *The Michigan Academy – “English in Michigan: A Century of Scholarship”* with Richard W. Bailey

## TEACHING

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**Phonetics** University of Kentucky, Fall 2015 – 2017

**Computational Linguistics** Linguistics 511, University of Kentucky, Fall 2017; Linguistics 409, Rice University, Spring 2013

**Eye Tracking for Linguistics Research** LSA Linguistics Institute, Lexington, 2017

**Doing Phonetics Research** LSA Linguistics Institute, Lexington, 2017 (cotaught with Melissa Baese-Berk, Melinda Fricke, & Natasha Warner)

**Phonological Analysis** University of Kentucky, Spring 2017

**Intro To Ling I: Theoretical Foundations & Analysis** University of Kentucky, Fall 2015 & 2016

**Language in U.S. Society** University of Kentucky, Spring 2016 & 2017

**Introduction to R** University of Kentucky, Spring 2016 & 2017

**Sociophonetics** University of Kentucky, Spring 2016

**Praat Scripting** LSA Linguistics Institute, Ann Arbor, 2013; Stanford University, Stanford, 2014; LSA Annual Meeting, Portland, 2015

**Introduction to Phonetics** Linguistics/Anthropology 301/501, Rice University, Fall 2011 & 2012

**Hearing & Speech Perception** Graduate Seminar, Linguistics 555, Rice University, Spring 2012

**Introduction to Phonology** Linguistics 311/511, Rice University, Spring 2012 & Spring 2013

**Advanced Phonology** Linguistics 427, Rice University, Fall 2012

**Introduction to the Scientific Study of Language** Linguistics/Anthropology 200, Rice University, Fall 2011

**Language & the Human Mind** Linguistics 209/Psychology 242

Graduate Student Instructor for Professor Sam Epstein, University of Michigan, Fall 2009

**College Writing** Writing and the Politics of English, English 125, University of Michigan, Fall 2008

**Introduction to Language** Linguistics 111, University of Michigan, Spring 2008

**Javascript Programming** Introductory JavaScript Programming Workshop, University of Michigan, School of Information, Winter 2006, Winter 2007

**Computing workshops** UNIX, Perl programming, SQL, HTML, etc., University of Michigan, Information Technology Division, 1997 - 1999

## GUEST TEACHING

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**Exploring German phonetics in the lab** in Brenna Byrd's German Linguistics, October 2016

**Acoustics: Basics of Analysis** Linguistics 601, October 2015 & 2016

in Andrew Byrd's Phonological Analysis, April 2016

**Speech Synthesis** in Andrew Hippisley's Computational Linguistics, December 2015

**Acoustics** in Meghan Sumner's Experimental Phonetics, November 2014

**Fricatives & Source/Filter Theory** in Meghan Sumner's Graduate Phonetics, May 2014

**Political Correctness & Hate Speech** in Joseph C. Tyler's Language & Discrimination, March 2011

**Exemplar Theories and Social Perception of Speech** in Patrice S. Beddor's Advanced Phonetics, September 2010

**Montana Salish and Ultrasound Field Research** in Jonathon Yip's Languages of the World, July 2010

**Processing Figurative Speech** in Julie Boland's Talking Minds, March 2010

**Phonology, Speech Perception and Perceptual Illusions** in Sam Epstein's Language and Mind, October 2009

**Sound Change** in Sarah G. Thomason's Historical Linguistics, October 2008

**Aerodynamic Measurement of Nasalization** in Patrice S. Beddor's Graduate Phonetics, September 2008

## STUDENT RESEARCH SUPERVISION

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Mariama Mallah, Directed undergraduate research. Stanford University. 2013

Penelope Howe, Investigation of cues to fricative voicing in dialects of Malagasy. Rice University. Qualifying Paper, chair. 2012–2013

Ling Ma, Native Mandarin perception of English word boundary consonant overlap. Rice University. Masters Thesis, chair. 2012–2013

Ru-ping Ruby Tso, Chinese Characters and Speech Recognition. Rice University. Qualifying Paper, reader. 2012

Obi Nwabueze, Frame Switching between Registers and Dialects. Rice University. Undergraduate Research. 2012–2013

Sheri-Ann Peckham, Investigation of age-related perceptual plasticity using Jamaican Creole. Rice University. Undergraduate Research. 2011–2013

## ACADEMIC SERVICE

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Peer reviews, *Journal of the Acoustical Society of America*, *Language & Speech*, *Lingua*

Association for Laboratory Phonology, Web Committee & Twitter maintainer

Conference Abstract Reviews, Speech Science and Technology 2012 – 2014; Michigan Linguistics Society; Experimental Approaches to Optimality Theory (ExpOT)

Workshop for Rice Linguistics Society: Eye-tracking for linguistics research, 2012

Organizer, Statistics for Linguistics Reading Group, Rice University, Department of Linguistics, 2011–2013

Faculty Associate, Hanszen College, Rice University, Department of Linguistics, 2011-2013

Member, Linguistics Executive Committee, University of Michigan, Department of Linguistics, 2010–2011

Board Member, *Language Learning Journal*, Blackwell Publishing, 2007–2010

Workshop: Introduction to R, University of Michigan, Department of Linguistics with S. Lin & A. Brasher, 2010

Co-chair of Michigan Linguistics Colloquium Committee, 2007–2009

## COMMUNITY OUTREACH

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Faculty Mentor, Kentucky Young Scholars Program & Lexington STEAM Academy High School

Teacher, Ashland Elementary School FACT Fridays: “The Science of Speech” for fourth and fifth grade students.

## TECHNICAL EXPERTISE

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**Laboratory** Eyelink 1000 Plus, Eyelink II head-mounted eye tracker, Tobii tx300 remote eye tracker, EG2-PCX Electroglottograph, EVA 2 pneumotachograph, Telemed Echo Blaster 128 Ultrasound, Zonare Ultrasound, Praat, Wavesurfer, E-Prime, Inquisit, Qualtrics, Amazon Mechanical Turk, OpenSesame, sox, etc.

**Programming** Python, Perl, C, Bourne shell, JavaScript, awk, sed, tcl, SQL, PL/SQL

**Systems** RDBMS systems (Oracle, MySQL, PostgreSQL), UNIX administration & programming (Linux, \*BSD, MacOS, Solaris, etc.),  $\LaTeX$

## PROFESSIONAL AFFILIATIONS

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Association for Laboratory Phonology, 2010–

Acoustical Society of America, 2009–

Linguistic Society of America, 2006–