

Ryan K. Shosted

Associate Professor

University of Illinois at Urbana-Champaign

Appointments:

College of Liberal Arts & Sciences

Department of Linguistics (100%)

Department of Spanish, Italian, and Portuguese (0%)

College of Applied Health Sciences

Department of Speech and Hearing Science (0%)

Beckman Institute for Advanced Science and Technology

Artificial Intelligence (Part-time faculty)

Biomedical Imaging Center (Affiliated investigator)

I. Personal History and Professional Experience

A. Educational Background

Brigham Young University; B.A., Linguistics; April 2000

University of California, Berkeley; M.A., Linguistics; May 2003

University of California, Berkeley; Ph.D., Linguistics; December 2006

B. List of Academic Positions since Final Degree

December 2006–August 2007, Post-doctoral researcher, University of California, San Diego

January 2007–June 2007, Lecturer, University of California, San Diego

August 2007–August 2013, Assistant Professor, University of Illinois at Urbana-Champaign

August 2013–Present, Associate Professor, University of Illinois at Urbana-Champaign

July 2015, Visiting Professor, State University of Campinas

C. Other Professional Employment

April 2000–August 2000, Assistant Lecturer, Brigham Young University

D. Honors, Recognitions, and Outstanding Achievements

National Security Education Program (NSEP) Scholarship, United States Department of Defense, 1995

Student Fulbright Fellowship, United States Department of State / Institute of International Education, 2000–2001

Jacob K. Javits Fellowship, United States Department of Education, 2001–2005

William and Flora Hewlett International Research Travel Grant, 2009

Arnold O. Beckman Award, University of Illinois at Urbana-Champaign, 2009

Arnold O. Beckman Award, University of Illinois at Urbana-Champaign, 2010

Focal Point Award, Graduate College, University of Illinois at Urbana-Champaign, 2010 [T. Loucks (PI), C. Shih (co-PI), R. Shosted (co-PI) and M. Hasegawa-Johnson (co-PI)]

Faculty Research Grant, Lemann Institute for Brazilian Studies, University of Illinois at Urbana-Champaign, 2011

Humanities Released Time, University of Illinois at Urbana-Champaign, 2011

Faculty Research Grant, Lemann Institute for Brazilian Studies, University of Illinois at Urbana-Champaign, 2015 [R. Shosted (PI), E. C. Albano (co-PI)]

E. Invited Lectures and Invited Conference Presentations

Invited lectures

[1] Phonetic impossibility and implausibility. Department of Linguistics, University of Alberta. Edmonton, Alberta, Canada. Jan. 19, 2006.

[2] Adventures in fricative space, Department of Linguistics, Stanford University. Palo Alto, California. March 6, 2006.

[3] Aerodynamics in phonology: The case of nasalized fricatives. Department of Linguistics, University of Illinois at Urbana-Champaign. Urbana, Illinois. Dec. 1, 2006.

- [4] Speech aerodynamics in the phonology lab. Department of Spanish and Portuguese, Indiana University. Bloomington, Indiana. Feb. 28, 2008.
- [5] Towards an aerodynamic phonology. Museu Paraense Emílio Goeldi. Belém, Pará, Brazil. April 10–12, 2008.
- [6] The Implosive impulse in Mayan, Department of Linguistics. University of California, San Diego. La Jolla, California. March 2, 2009.
- [7] On endangered sounds and endangered languages: Why phonetic language documentation still matters. Department of Linguistics, Brigham Young University. Provo, Utah. March 26, 2009.
- [8] Still breathing? Aerodynamics in phonetics and phonology. Department of Linguistics, University of Chicago. Chicago, Illinois. May 7, 2009.
- [9] Oro-pharyngeal characteristics of Brazilian Portuguese nasal vowels. Institute of Electronics and Telematics Engineering of Aveiro, University of Aveiro. Aveiro, Portugal. Oct. 11, 2011.
- [10] The oral production of vowel nasality: Evidence from Hindi. GIPSA-Lab, Université Stendhal-Grenoble 3. Grenoble, France. Oct. 19, 2011.
- [11] Getting what you pay for: Higher dimensional analyses of rtMRI speech production data. Haskins Laboratories. New Haven, Connecticut. April 3, 2014.
- [12] Shosted, Ryan. Imaging speech and imagining the possibilities. KTH | Royal Institute of Technology. Stockholm, Sweden. May 22, 2015.
- [13] Shosted, Ryan. Imaging speech and imagining the possibilities. Stockholm University. Stockholm, Sweden. May 27, 2015.
- [14] Shosted, Ryan. The articulation of nasal monophthongs in Brazilian Portuguese. State University of Campinas. Campinas, Brazil. August 3, 2016.

Invited conference presentations

- [1] Shosted, Ryan. Aug. 9, 2007. Investigating the aerodynamics of nasalized fricatives. XVIth International Congress of Phonetic Sciences. Saarbrücken, Germany.
- [2] Shosted, Ryan. Aug. 17, 2011. An EMA-aerodynamic approach to the velic opening hypothesis. Special Session on Aerodynamics in Phonology. XVIIth International Congress of Phonetic Sciences. Hong Kong, China.
- [3] Shosted, Ryan. Oct. 25, 2012. A descriptive approach to the measurement of nasalization. 41st New Ways of Analyzing Variation (NWAV) Conference. Bloomington, Indiana.
- [4] Shosted, Ryan. Apr. 7, 2013. On studying the understudied: Phonetic analyses of minority languages in Central America. Illinois Language and Linguistics Society 5. Urbana, Illinois.
- [5] Shosted, Ryan. Apr. 4, 2014. Retroflexion in Q'anjob'al obstruents. Workshop on Sound Systems of Mexico and Central America. New Haven, Connecticut.

- [6] Shosted, Ryan. Feb. 18, 2014. rtMRI and discriminant analysis of principal components: A case study from Beijing Mandarin. USC Speech MRI Summit. Los Angeles, California.
- [7] Maojing Fu, Bo Zhao, Christopher Carignan, Ryan K. Shosted, Jamie L. Perry, David P. Kuehn, Zhi-Pei Liang, and Bradley P. Sutton. Feb. 19, 2014. High-resolution, full-vocal-tract dynamic speech imaging. USC Speech MRI Summit. Los Angeles, California.
- [8] Shosted, Ryan. Aug. 19, 2014. Increasing the dimensionality in articulatory phonetics (and what to do next): rtMRI of speech production data. First International DINAFON Meeting. Campinas, Brazil.

F. Offices Held in Professional Societies

Committee on Endangered Languages and Their Preservation, Linguistic Society of America, 2008–2011
 Special Interest Group on Phonetic Field Work, Linguistic Society of America, 2009 –Present

G. Editorships of Journals or Other Learned Publications

Editorial Board member, *Journal of the International Phonetic Association*, Cambridge University Press, 2011–Present.

H. Grants Received

- Aerodynamic Phonology. Ryan Shosted, University of Illinois Campus Research Board (08057), 2007–2009, \$21,889.
- Documentation of the Q'anjob'al Language. Ryan Shosted, University of Illinois Campus Research Board (08077), 2007–2009, \$14,350.
- Faculty Travel Grant. Ryan Shosted, United States Department of Education (Title VI), 2008, \$1,300.
- Phonetic documentation of Amazonian languages. Ryan Shosted, University of Illinois Campus Research Board / Arnold O. Beckman Award (09166), 2008–2010, \$7,814.
- International Research Travel Grant. Ryan Shosted, William and Flora Hewlett Foundation, 2009, \$2,210.
- Instrumental Phonetic Investigation of Spanish and Portuguese. Ryan Shosted (PI) and José-Ignacio Hualde (co-PI), University of Illinois Campus Research Board (10116), 2010–2011, \$22,700.
- The Articulation of Hindi Nasal Vowels. Ryan Shosted, University of Illinois Campus Research Board / Arnold O. Beckman Award (10104), 2010–2011, \$6,525.
- The Articulation of Nasalized Vowels in Brazilian Portuguese, Ryan Shosted, Lemann Institute for Brazilian Studies, 2011–2012, \$10,605.
- Improving Speech Production Skills in Adults with Cochlear Implants: Articulation Control Mechanisms and Intervention. Torrey Loucks (PI) and Ryan Shosted (co-PI), University of Illinois Campus Research Board (11018), 2011–2012, \$26,895.
- Speech Production Research Education Initiative. Torrey Loucks (PI), Chilin Shih (co-PI), Ryan Shosted (co-PI), and Mark Hasegawa-Johnson (co-PI), University of Illinois Graduate College Focal Point Award, 2011–2012, \$12,000.
- Using oral articulatory adjustment to compensate for hypernasality: A modeling study based on articulatory measures. Ryan Shosted, University of Illinois Campus Research Board Award (11241), 2011–2012, \$9,950.
- Doctoral Dissertation Research: Oral articulation of French nasal vowels. Ryan Shosted (PI), Christopher Carignan (co-PI), and Zsuzsanna Fagyal (co-PI), National Science Foundation (BCS-1121780), 2011–2013, \$12,000.

Magnetic resonance imaging of Arabic pharyngeals. Ryan Shosted (PI), Abbas Benmamoun (co-PI), and Brad Sutton (co-PI). University of Illinois Campus Research Board Award (12187), 2012–2013, \$14,670.

Gesture in accented language. Torrey Loucks (PI), Chilin Shih (co-PI), and Ryan Shosted (co-PI). University of Illinois Provost's Social and Behavioral Sciences Research Committee, 2013–2014, \$2,500.

Indigenous languages in diaspora. Jennifer Davis (co-PI) and Ryan Shosted (co-PI). Illinois Program for Research in the Humanities Research Cluster, 2015-2016, \$2,500.

Speech imaging research at UIUC and KTH. INSPIRE: Illinois-Sweden Program for Educational and Research Exchange. Olov Engwall (co-PI) and Ryan Shosted (co-PI), 2015, \$10,000.

Language processing, perception, and production. Ryan Shosted (PI). Equipment Funding Program for Linguistics Research Labs in the School of Literatures, Cultures and Linguistics. University of Illinois Office of the Provost and Office of the Vice Chancellor for Research, 2014, \$141,840 [includes \$70,920 in matching funds from multiple units (The College of Liberal Arts and Sciences; The School of Literatures, Cultures and Linguistics; Linguistics; Spanish and Portuguese; East Asian Languages and Cultures; French and Italian) and individual faculty members (Darren Tanner, Silvina Montrul, James Yoon, Ryan Shosted, and Zsuzsanna Fagyal)].

Examining nasal, oral, and nasalized vowels in Brazilian Portuguese using real-time magnetic resonance imaging. Ryan Shosted (PI) and Brad Sutton (co-PI). University of Illinois Campus Research Board Award (16028), 2015–2016, \$25,931.

The articulation of vowel reduction in Brazilian Portuguese. Ryan Shosted (PI) and Eleonora Cavalcante Albano (co-PI). Lemann Institute for Brazilian Studies Collaborative Research Grant, 2016, \$11,500.

Indigenous languages of Brazil course development. Center for Latin American and Caribbean Studies Faculty Research Grant, 2016, \$550.

Q'anjob'al field methods course development. Center for Latin American and Caribbean Studies Faculty Research Grant, 2016, \$990.

Doctoral Dissertation Research: Articulatory and acoustic patterns in phonemic and phonetic nasalization. Ryan Shosted (PI), Marissa Barlaz (co-PI), and Bradley Sutton (co-PI). National Science Foundation Doctoral Dissertation Research Improvement Grant (BCS-1651197), 2016–2017, \$10,447.

I. Review Panels

National Endowment for the Humanities, Digital Start-up Initiative, 2007.

II. Publications and Creative Works

A. Doctoral thesis title

The Aeroacoustics of Nasalized Fricatives.

B. Books Authored or Co-Authored (in print or accepted)

Shosted, Ryan. 2009. *The Aeroacoustics of Nasalized Fricatives: An instrumental study in phonetic typology*. Saarbrücken: VDM Verlag.

C. Books Edited or Co-Edited (in print or accepted)

Bokamba, Eyamba G., Ryan K. Shosted, and Bezza Tesfaw Ayalew (eds.). 2011. *Selected Proceedings of the 40th Annual Conference on African Linguistics*. Somerville, MA: Cascadilla Proceedings Project.

D. Chapters in Books (in print or accepted)

- [1] Shosted, Ryan and José Ignacio Hualde. 2010. The production and provenance of Spanish and Portuguese palatal nasals. In S. Colina, A. Olarrea, and A. Carvalho (eds.), *Romance Linguistics 2009: Selected Papers from the 39th Linguistic Symposium on Romance Languages (LSRL)*, 43–62. Amsterdam: John Benjamins.
- [2] Shosted, Ryan. 2011. Articulatory and acoustic characteristics of fricatives in Changana. In E. G. Bokamba, R. K. Shosted, and B. T. Ayalew (eds.), *Selected Proceedings of the 40th Annual Conference on African Linguistics*, 119–129. Somerville, MA: Cascadilla Proceedings Project. www.lingref.com, document 2570.
- [3] Shosted, Ryan. 2011. Towards a glottalic theory of Mayan. In H. Avelino (ed.), *New Perspectives in Mayan Linguistics*, 80–113. Newcastle upon Tyne: Cambridge Scholar's Publishing.
- [4] Shosted, Ryan. 2015. Nasal vowels are not [+NASAL] oral vowels. In J. Smith and T. Ihsane (eds.), *Romance Linguistics 2012: Selected Papers from the 42nd Linguistic Symposium on Romance Languages (LSRL)*, 63–76. Amsterdam: John Benjamins.
- [5] Shosted, Ryan, Zainab Hermes, and Maojing Fu. To appear. Arabic pharyngeal and emphatic consonants. In A. Benmamoun and R. Bassiouney (eds.), *Handbook of Arabic Linguistics*. Routledge.

E. Monographs (in print or accepted)

F. Articles in Journals (in print or accepted)

- [1] Shosted, Ryan and Vakhtang Chikovani. 2006. Standard Georgian. *Journal of the International Phonetic Association* 36: 255–264.
- [2] Shosted, Ryan. 2006. Correlating complexity: A typological approach. *Journal of Linguistic Typology* 10: 1–40.
- [3] Shosted, Ryan. 2006b. Vocalic context as a condition for nasal coda emergence: Aerodynamic evidence. *Journal of the International Phonetic Association* 36: 39–58.
- [4] Loucks, Torrey M. J., Ryan K. Shosted, Luc F. De Nil, Christopher J. Poletto and Amie King. 2010. Coordinating vocalization onset with articulation: A potential role for sensory cues. *Phonetica* 67(1–2): 47–62.
- [5] Shosted, Ryan and Sharon Rose. 2011. Affricating ejective fricatives: The case of Tigrinya. *Journal of the International Phonetic Association* 41(1): 41–65.
- [6] Shosted, Ryan. 2011. An articulatory–aerodynamic approach to stop excrescence. *Journal of Phonetics* 39: 660–667.
- [7] Carignan, Christopher, Ryan Shosted, Chilin Shih, and Panying Rong. 2011. Compensatory articulation in American English nasalized vowels. *Journal of Phonetics* 39: 668–682.
- [8] Shosted, Ryan, Christopher Carignan, and Panying Rong. 2012. Managing the distinctiveness of phonemic nasal vowels: Articulatory evidence from Hindi. *Journal of the Acoustical Society of America* 131(1): 455–465.

- [9] Shosted, Ryan, José Ignacio Hualde, and Daniel Scarpace. 2012. Palatal complexity revisited: An electropalatographic analysis of /ɲ/ in Brazilian Portuguese with comparison to Peninsular Spanish. *Language and Speech* 55(4): 477–502.
- [10] Carignan, Christopher, Ryan K. Shosted, Maojing Fu, Zhi-Pei Liang, Bradley P. Sutton. 2015. A real-time MRI investigation of the role of lingual and pharyngeal articulation in the production of the nasal vowel system of French. *Journal of Phonetics* 50: 34–51.
- [11] Fu, Maojing, Bo Zhao, Christopher Carignan, Ryan Shosted, Jamie Perry, David Kuehn, Zhi-Pei Liang, Bradley Sutton. 2015. High-Resolution dynamic speech imaging with joint low-rank and sparsity constraints. *Magnetic Resonance in Medicine* 73 (5): 1820–1832.
- [12] Rong, Panying, Ryan K. Shosted, and David P. Kuehn. 2016. Modeling of oropharyngeal articulatory adaptation to compensate for the acoustic effects of nasalization. *Journal of the Acoustical Society of America* 140: 2145–2161.
- [13] Fu, Maojing, Marissa S. Barlaz, Joseph L. Holtrop, Jamie L. Perry, David P. Kuehn, Ryan K. Shosted, Zhi-Pei Liang, and Bradley P. Sutton. 2017. High-Frame-Rate Full-Vocal-Tract 3D Dynamic Speech Imaging. *Journal of Magnetic Resonance in Medicine* 77(4): 1619–1629.

G. Creative Works

H. Patents

I. Bulletins, Reports, or Conference Proceedings (in print or accepted)

- [1] Nowak, Paweł, Anne Pycha, Eurie Shin and Ryan Shosted. 2003. Phonological rule learning and its implications for a theory of vowel harmony. In M. Tsujimura and G. Harding (eds.), *Proceedings of the West Coast Conference on Formal Linguistics XXII*, 101–114. Somerville, MA: Cascadilla.
- [2] Shosted, Ryan. 2003. Nasal coda restoration in Brazilian Portuguese. In M.-J. Solé, D. Recasens, and J. Romero (eds.), *Proceedings of the XVth International Congress of Phonetic Sciences*, 3037–3040. Barcelona: Universitat Autònoma de Barcelona.
- [3] Shosted, Ryan and Beatriz Willgochs. 2006. Nasals Unplugged: The aerodynamics of nasal de-occlusivization in Spanish. In Manuel Díaz-Campos (ed.), *Selected Proceedings of the 2nd Conference on Laboratory Approaches to Spanish Phonetics and Phonology*, 14–21. Somerville, MA: Cascadilla Proceedings Project.
- [4] Shosted, Ryan. 2006. Just put your lips together and blow? Whistled fricatives in Southern Bantu. In H. C. Yehia, D. Demolin, and R. Laboissiere (eds.), *Proceedings of ISSP 2006: 7th International Seminar on Speech Production*, 565–572. Belo Horizonte, Brazil: CEFALA.
- [5] Pycha, Anne, Eurie Shin, and Ryan Shosted. 2006. Directionality of assimilation in consonant clusters: An experimental approach. In Keith Johnson (ed.), *UC Berkeley Phonology Lab Annual Report 2006*, 152–166.

- [6] Shosted, Ryan. 2007. Investigating the aerodynamics of nasalized fricatives. In J. Trouvain and W. Barry (eds.), *Proceedings of the XVIth International Congress of Phonetic Sciences*, 255–260. Saarbrücken, Germany: Universität des Saarlandes.
- [7] Shosted, Ryan. 2007. A psychoacoustic basis for dissimilation: Evidence from Tangkhul Naga. In J. Trouvain and W. Barry (eds.), *Proceedings of the XVIth International Congress of Phonetic Sciences*, 1937–1940. Saarbrücken, Germany: Universität des Saarlandes.
- [8] Kilpatrick, Cynthia, Ryan Shosted, and Amalia Arvaniti. 2007. On the perception of incomplete neutralization. In J. Trouvain and W. Barry (eds.), *Proceedings of the XVIth International Congress of Phonetic Sciences*, 653–656. Saarbrücken, Germany: Universität des Saarlandes.
- [9] Alex del Giudice, Ryan Shosted, Kathryn Davidson, Mohammad Salihie, and Amalia Arvaniti. 2007. Comparing methods for measuring pitch ‘elbows’. In J. Trouvain and W. Barry (eds.), *Proceedings of the XVIth International Congress of Phonetic Sciences*, 1117–1120. Saarbrücken, Germany: Universität des Saarlandes.
- [10] Shosted, Ryan. 2008. An aerodynamic explanation for the uvularization of trills? In R. Sock, S. Fuchs, and Y. Laprie (eds.), *Proceedings of ISSP 2008: 8th International Seminar on Speech Production*, 421–424. Strasbourg: INRIA.
- [11] Shosted, Ryan. 2008. Acoustic characteristics of Swedish dorsal fricatives. *Proceedings of Acoustics '08 Paris*, 6167–6172. Paris: Société Française d’Acoustique.
- [12] Hualde, José Ignacio, Ryan Shosted, and Daniel Scarpace. 2011. Acoustics and articulation of Spanish /d/ spirantization. In W.-S. Lee and E. Zee (eds.), *Proceedings of the XVIIth International Congress of Phonetic Sciences*, 906–909. Hong Kong: City University of Hong Kong.
- [13] Loucks, Torrey, Ryan Shosted, Michael Novak, and Jennifer Black. 2011. Speech production skills in adults with cochlear implants. In D. Ostry, S. R. Baum, L. Ménard, and V. L. Gracco (eds.), *Proceedings of the 9th International Seminar on Speech Production*, 73–80. Montreal: UQÀM.
- [14] Rong, Panying, Ryan Shosted, and Christopher Carignan. 2011. The relationship between velopharyngeal opening and place of articulation: An aerodynamic and EPG investigation. In D. Ostry, S. R. Baum, L. Ménard, and V. L. Gracco (eds.), *Proceedings of the 9th International Seminar on Speech Production*, 281–288. Montreal: UQÀM.
- [15] Shosted, Ryan. 2011. An EMA-aerodynamic approach to the velic opening hypothesis. In W.-S. Lee and E. Zee (eds.), *Proceedings of the XVIIth International Congress of Phonetic Sciences*, 68–71. Hong Kong: City University of Hong Kong.
- [16] Shosted, Ryan. 2011. Excrescent nasal codas in Brazilian Portuguese: An electropalatographic study. In W.-S. Lee and E. Zee (eds.), *Proceedings of the XVIIth International Congress of Phonetic Sciences*, 1834–1837. Hong Kong: City University of Hong Kong.
- [17] Shosted, Ryan, Christopher Carignan, and Panying Rong. 2011. Estimating vertical larynx position with EMA. The relationship between velopharyngeal opening and place of articulation: An aerodynamic and EPG investigation. In D. Ostry, S. R. Baum, L. Ménard, and V. L. Gracco (eds.), *Proceedings of the 9th International Seminar on Speech Production*, 139–146. Montreal: UQÀM.

- [18] Teixeira, António, Paula Martins, Catarina Oliveira, Carlos Ferreira, Augusto Silva, and Ryan Shosted. 2012. Real-Time MRI for Portuguese: Database, methods and application. In H. Caseli, A. Villavicencio, A. Teixeira, and F. Perdigão (eds.), *Computational Processing of the Portuguese Language: 10th International Conference, PROPOR 2012*, 306–307. Berlin: Springer.
- [19] Shosted, Ryan, Abbas Benmamoun, and Bradley P. Sutton. 2012. Using magnetic resonance to image the pharynx during Arabic speech: Static and dynamic aspects. In *INTERSPEECH-2012*, 2182–2185.
- [20] Rong, Panying, Ryan Shosted, and D. Kuehn. 2012. Articulatory differences between oral and nasal vowels based on the simulation of a speaker-adaptive articulatory model. In *INTERSPEECH-2012*, 2698–2701.
- [21] Carignan, Christopher, Ryan Shosted, Maojing Fu, Zhi-Pei Liang, and Bradley P. Sutton. 2013. The role of the pharynx and tongue in enhancement of vowel nasalization: A real-time MRI investigation of French nasal vowels. In *INTERSPEECH-2013*, 3042–3046.
- [22] Wong, Nicole, Maojing Fu, Zhi-Pei Liang, Ryan Shosted, and Bradley P. Sutton. 2013. Observations of perseverative coarticulation in lateral approximants using MRI. In *INTERSPEECH-2013*, 612–616.
- [23] Hermes, Zainab, Nicole Wong, Torrey Loucks, and Ryan Shosted. 2015. The primary articulation of plain-emphatic /s/-/s^h/ in Lebanese Arabic: an EMA study. In The Scottish Consortium for ICPhS 2015 (ed.), *Proceedings of the 18th International Congress of Phonetic Sciences*. Glasgow, UK: University of Glasgow. Paper number 0681.1-5.
- [24] Shosted, Ryan, Marissa Barlaz, and Di Wu. 2015. Modeling Iu Mien tone with eigenpitch representations. In The Scottish Consortium for ICPhS 2015 (ed.), *Proceedings of the 18th International Congress of Phonetic Sciences*. Glasgow, UK: University of Glasgow. Paper number 0728.1-5.
- [25] Barlaz, Marissa, Maojing Fu, Julianna Dubin, Zhi-Pei Liang, Ryan Shosted, and Bradley P. Sutton. 2015. Lingual differences in Brazilian Portuguese oral and nasal vowels: An MRI study. In The Scottish Consortium for ICPhS 2015 (ed.), *Proceedings of the 18th International Congress of Phonetic Sciences*, Paper number 0819.1-5.
- [26] Barlaz, Marissa, Maojing Fu, Zhi-Pei Liang, Ryan Shosted, and Brad Sutton. 2015. The Emergence of Nasal Velar Coda in Brazilian Portuguese: An rt-MRI Study. *INTERSPEECH-2015*, 2660–2664.
- [27] Fu, Maojing, Marissa Barlaz, Ryan Shosted, Zhi-Pei Liang, Ryan Shosted, and Bradley P. Sutton. High-Resolution Dynamic Speech Imaging with Deformation Estimation. 2015. 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'15), 1568–1571.

J. Abstracts (in print or accepted)

- [1] Shosted, Ryan. 2004. Flatly contradicted: Reassessing the status of a curious distinctive feature. *Laboratory Phonology 9*. Urbana-Champaign, Illinois.
- [2] Shosted, Ryan. 2004. A funny thing happened on the way to the farum: Rhotacization and vowel merger in Utah English. *Deseret Language and Linguistics Symposium*. Provo, Utah.

- [3] Shosted, Ryan. 2004. Nasal coda restoration in Brazilian Portuguese and its implications for the velic/vowel height correlation. Conference on Methods in Phonology in Honor of John J. Ohala. Berkeley, California.
- [4] Shosted, Ryan. Aeroacoustics of nasalized fricatives. 2005. Conference on Turbulences. Zentrum für Allgemeine Sprachwissenschaft. Berlin, Germany.
- [5] Shosted, Ryan, Ronald Sprouse, and John Ohala. 2005. Analog study of a nasalized fricative. Conference on Turbulences. Zentrum für Allgemeine Sprachwissenschaft. Berlin, Germany.
- [6] Arvaniti, Amalia, Ryan Shosted and Cynthia Kilpatrick. 2006. On the perception of epenthetic stops in American English. *Journal of the Acoustical Society of America* 120: 3249.
- [7] Pycha, Anne, Eurie Shin and Ryan Shosted. 2006. Directionality of assimilation in consonant clusters: An experimental approach. 2006. Trilateral Phonology Weekend (P-Trend). Berkeley, California.
- [8] Shosted, Ryan. 2006. The acoustics of nasalized fricatives in Oto-Manguean. 2006. Society for the Study of the Indigenous Languages of the Americas. Albuquerque, New Mexico.
- [9] Shosted, Ryan. 2006. Whistled fricatives in Bantu: Acoustic origins. Annual Meeting of the Linguistic Society of America. Albuquerque, New Mexico.
- [10] Shosted, Ryan, Alex del Giudice and Amalia Arvaniti. 2006. Comparing methods for measuring pitch 'elbows'. *Journal of the Acoustical Society of America* 120: 3091.
- [11] Pycha, Anne, Eurie Shin and Ryan Shosted. 2007. An experimental approach to perceptual naturalness in consonant cluster assimilations. Annual Meeting of the Linguistic Society of America. Anaheim, California.
- [12] Shosted, Ryan. 2008. Acoustic characteristics of Swedish dorsal fricatives. *Journal of the Acoustical Society of America* 123: 3888.
- [13] Shosted, Ryan. 2008. The acoustics of voiceless nasal vowels. *Laboratory Phonology* 11. Wellington, New Zealand.
- [14] Shosted, Ryan. 2008. Putting the indigenous language back into linguistic field methods. Symposium on the Teaching of Indigenous Languages of the Americas. Bloomington, Indiana.
- [15] Shosted, Ryan. 2008. Voiceless vowels and deletion in Cape Verdean. Special World Congress of African Linguistics 6. São Paulo, Brazil.
- [16] Shosted, Ryan and Sharon Rose, 2008. Affrication of ejective fricatives in Tigrinya. Annual Meeting of the Linguistic Society of America. Chicago, Illinois.
- [17] Shosted, Ryan and Sharon Rose. 2008. Ejective fricatives in Tigrinya: Are they really fricatives? North American Conference on Afroasiatic Linguistics. Chicago, Illinois.
- [18] Shosted, Ryan. 2009. Devoicing or reduction? Vowel loss in São Vicente Creole Portuguese. Annual Meeting of the Linguistic Society of America. San Francisco, California.

- [19] Shosted, Ryan. 2009. Uvular variation in Q'anjob'al. Annual Meeting of the Society for the Study of the Indigenous Languages of the Americas. San Francisco, California.
- [20] Shosted, Ryan. 2010. Did Proto-Mayan have tense or lax ejectives? Formal Approaches to Mayan Linguistics. Cambridge, Massachusetts.
- [21] Shosted, Ryan. 2010. When good oral stops go bad: Voicing, nasality, and oral obstruency. Conference on Phonetic Universals. Max Planck Institute for Evolutionary Anthropology. Leipzig, Germany.
- [22] Carignan, Christopher, Ryan Shosted, Panying Rong and Chilin Shih. 2010. Oral co-articulatory response to vowel nasalization. Conference on Phonetic Universals. Max Planck Institute for Evolutionary Anthropology. Leipzig, Germany.
- [23] Hualde, José I., Miquel Simonet, Ryan Shosted and Marianna Nadeu. 2010. Quantifying Iberian spirantization: Acoustics and articulation. Linguistic Symposium on Romance Languages 40. Seattle, Washington.
- [24] Kochanski, Greg P., Chilin Shih, and Ryan Shosted. 2011. Should Corpora be Big, Rich, or Dense? *Computing Research Repository*, arXiv:1012.2797v1.
- [25] Loucks, Torrey, Ryan Shosted, Michael Novak, and Jennifer Black. 2011. Auditory and somatosensory adaptation in adults with cochlear implants. *Stem-, Spraak- en Taalpathologie* 17, Supplement, p. 45.
- [26] Shosted, Ryan. 2012. Nasal vowels are not [+NASAL] oral vowels. Linguistic Symposium on Romance Languages 42. Cedar City, Utah.
- [27] Shosted, Ryan. 2012. An EPG and MRI study of coronal fricatives and affricates in Q'anjob'al. Formal Approaches to Mayan Linguistics 2. Patzún, Guatemala.
- [28] Loucks, Torrey, Ryan Shosted, Michael Novak, Jennifer Black, and Molly Goetz. 2012. Speech production skills in adults with cochlear implants. American Speech–Language–Hearing Association Convention. Atlanta, Georgia.
- [29] Shosted, Ryan K., Maojing Fu, Abbas Benmamoun, Zhi-Pei Liang, and Bradley P. Sutton. 2012. Using partially separable functions to image spatiotemporal aspects of Arabic pharyngealization. *Journal of the Acoustical Society of America* 132: 2091.
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- [33] Nicholas, Jessica, Zsuzsanna Fagyal, Christopher Carignan, and Ryan Shosted. 2014. Intra- and inter-dialectal differences in the perception of French nasal vowels in Saguenay-Lac-Saint Jean. *Linguistic Symposium on Romance Languages* 44. London, Ontario, Canada.
- [34] Hermes, Zainab, Nicole Wong, Torrey Loucks, and Ryan Shosted. 2015. An electromagnetic articulography study of the articulatory differences in the emphatic-plain voiceless alveolar fricatives /s^h-/s/ of Lebanese Arabic. *Annual Symposium on Arabic Linguistics*. Milwaukee, Wisconsin.
- [35] Meneses, Francisco, Denise Pozzani, Nicole Wong, Zainab Hermes, Torrey Loucks, and Ryan Shosted. 2015. Gesture and velocity in voiced and devoiced vowels: EMA evidence from Brazilian Portuguese. *Encontro Internacional de Ciências da Fala*. Belo Horizonte, Brazil.
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- [37] Barlaz, Marissa, Ryan Shosted, Christopher Carignan, Maojing Fu, Zhi-Pei Liang and Brad Sutton. Deformation-based articulatory representations of speech sounds. *Laboratory Phonology* 15. Ithaca, NY.
- [38] Hermes, Zainab, Maojing Fu, Sharon Rose, Ryan Shosted, and Brad Sutton. Representations of Place and Airstream Mechanism: A real-time MRI study of Tigrinya ejectives. *Laboratory Phonology* 15. Ithaca, NY.
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- [40] Shosted, Ryan, Denise Pozzani, Francisco Meneses, Nicole Wong, Zainab Hermes and Torrey Loucks The articulatory space of oral and nasal vowels in Brazilian Portuguese. *Laboratory Phonology* 15. Ithaca, NY.
- [41] Barlaz, Marissa, Johnson, Sarah, Carignan, Christopher, Shosted, Ryan, Fu, Maojing, Liang, Zhi-Pei and Bradley Sutton. 2016. Understanding the relationship between acoustics and articulation of nasal and oral vowels. *Journal of the Acoustical Society of America* 140: 3219.
- [42] Hermes, Zainab, Barlaz, Marissa, Shosted, Ryan, Fu, Maojing, and Bradley Sutton. 2016. Articulatory Differences in the Pharyngeal Fricatives /ʕ/ and /ħ/ in Gulf and Levantine Arabic. 30th Annual Symposium on Arabic Linguistics. Stony Brook University, New York, United States.

K. Book Reviews (in print or accepted)

Shosted, Ryan. 2014. "Evolutionary Linguistics" by April McMahon and Robert McMahon. *Journal of Sociolinguistics* 18: 394–398.

L. Other

Grant Consultancies

- [1] Corpus and lexicon development: Endangered genres of discourse and domains of cultural knowledge in Tu'un isavi (Mixtec) of Yolochochitl, Guerrero. Jonathan Amith (PI). National Science Foundation (0966462), 2010–2013, \$150,010.

Special Sessions Organized

- [1] Shosted, Ryan and K. David Harrison (co-organizers). Jan. 5, 2007. Approaches to language complexity. Special session at the Annual Meeting of the Linguistic Society of America Anaheim, CA.
- [2] Pycha, Anne, Eurie Shin and Ryan Shosted (co-organizers). Jan. 6, 2007. Towards an artificial grammar learning paradigm in phonology. Special session at the Annual Meeting of the Linguistic Society of America. Anaheim, CA.
- [3] Shosted, Ryan and Christopher Carignan (co-organizers). Sept. 13, 2012. New trends in vowel nasalization: The articulation of nasal vowels. Special session at 12th Annual Conference on Speech Communication (InterSpeech), Portland, OR.

Invited On-Campus Talks

- [1] Shosted, Ryan. Feb. 27, 2008. Língua e identidade em Moçambique. Luso-Brazilian Society. Urbana, Illinois.
- [2] Shosted, Ryan. April 24, 2008. Linguistic structures of Q'anjob'al, a Mayan Language of Guatemala. Center for Latin American and Caribbean Studies. Champaign, Illinois.
- [3] Shosted, Ryan. Sept. 29, 2011. Documenting the Q'anjob'al language. Global Health Initiative Seminar: "Wuqu' Kawoq: multi-disciplinary healthcare in Guatemala." Urbana, Illinois.

On-Campus Panel Discussions

- [1] Shosted, Ryan. April 15, 2008. Language revitalization in the Americas. Center for Latin American and Caribbean Studies. Champaign, Illinois.

Other (refereed) presentations

- [1] Maojing Fu, Bo Zhao, Christopher Carignan, Ryan K. Shosted, Jamie L. Perry, David P. Kuehn, Zhi-Pei Liang, and Bradley P. Sutton. 2014. High-Resolution, Full-vocal-tract 4D realtime speech imaging. Midwest Speech and Language Days. Urbana, Illinois.
- [2] Shosted, Ryan, Di Wu, and Marissa Goldrich. 2014. Computational modeling of tone in Iu Mien: An inductive approach for field linguists. Midwest Speech and Language Days. Urbana, Illinois.
- [3] Hermes, Zainab and Ryan Shosted. 2014. Spectral differences in alveolar fricatives in Levantine Arabic. Midwest Speech and Language Days. Urbana, Illinois.