

Jason A. Shaw

Yale University
Dow Hall, Room 305
370 Temple Street
New Haven, CT 06511

Email: jason.shaw@yale.edu
website: <http://campuspress.yale.edu/jasonshaw/>
Work phone: 203-432-8289
Mobile: 475-441-2015

ACADEMIC POSITIONS

- 2020- Associate Professor, Yale University, Department of Linguistics
- 2016-2019 Assistant Professor, Yale University, Department of Linguistics
- 2014-2016 Senior Lecturer in Linguistics (Associate Professor equivalent), School of Humanities and Communication Arts, Western Sydney University
- 2015-2016 Visiting Research Fellow, Institute of Cultural and Linguistic Studies, Keio University, Tokyo, Japan
- 2012-2015 ARC Discovery Early Career Research Fellow, MARCS Institute for Brain, Behaviour and Development, Western Sydney University
- 2010-2013 Lecturer in Linguistics (Assistant Professor equivalent), School of Humanities and Communication Arts, Western Sydney University
- 2007-2010 Research Assistant, Haskins Laboratories, Yale University, New Haven, CT.
- 2006-2009 Teaching Assistant, Dept. of Linguistics/ Dept. of Psychology, New York University
- 2005-2009 Research Assistant, Phonetics and Experimental Phonology Lab, New York University
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EDUCATION

- 2010 Ph.D., Department of Linguistics, New York University, New York, NY
Thesis title: *The temporal organization of syllabic structure*
- 2007 M.A. , Department of Linguistics, New York University, New York, NY
Thesis title: *Deriving syllable weight from temporal coordination*
- 1999 B.A., Department of Linguistics, University of Southern California, Los Angeles, CA

Visiting student: Sichuan University, Chengdu, China (fall 2003); Waseda University, Tokyo, Japan (1997-1998); Ohio State University, Columbus, Ohio (summer 1997)

RESEARCH FELLOWSHIPS, AWARDS, GRANTS

- 2019-2021 National Science Foundation Grant 1928750
Title: *Doctoral Dissertation Research: Articulatory and Corpus Study of Relative Timing among Consonants, Vowels, and Tones in Tibetan*
Total amount awarded: \$10,239 (\$6,113 in direct costs; \$4,126 in indirect costs); all direct costs towards research
Role: Principal Investigator with student co-PI Christopher Geissler.
- 2018-2020 National Science Foundation Grant BCS-1423772/1424398
Title: *Collaborative Research: An Ultrasound Investigation of Irish Palatalization*
Role: My involvement in this project was purely administrative; Ryan Bennett (UC Santa Cruz), Jaye Padgett (UC Santa Cruz), Grant McGuire (UC Santa Cruz) and Máire Ní Chiosáin (University College Dublin, Ireland) are the co-principal investigators. Ryan Bennett was Yale-based PI from 2014-2017. I joined in 2018, when Bennet left, to administer the Yale component to facilitate completion of the project by the original PIs with minimal disruption.
Dates: 9/1/2014 - 2/28/2020
Total amount awarded: \$304,057 (\$228,112 in direct costs, \$75,945 in indirect costs)
Amount awarded to Yale: \$42,802 (\$33,970 in direct costs, \$8,832 in indirect costs; \$23,493 for salary and fringe benefits, \$19,309 for research)
- 2015-2016 Toshiba International Foundation Grant “Reflections of uncertainty resolution in Japanese phonetics and phonology”.
Role: Principal Investigator
Dates: 6/1/2016 - 4/1/2017
Total amount awarded: 500,000 Yen (\$4,462)
Amount awarded to Yale: NA (pre-Yale award); full amount supported research symposium
Website: <http://sst2016.westernsydney.edu.au/index.php/predictability-symposium/>
- 2016-2017 Australasian Speech Science and Technology Association research event award “The role of predictability in shaping human language sound patterns”
Role: Principal Investigator
Dates: 6/1/2016 - 4/1/2017
Total amount awarded: 5,000 AUD (\$3,575)
Amount awarded to Yale: NA (pre-Yale award); full amount supported research symposium
Website: <http://sst2016.westernsydney.edu.au/index.php/predictability-symposium/>
- 2015-2016 Japan Society for the Promotion of Science grant 15F15715 “Temporal organization and the distribution of information in Japanese speech”
Role: Principal Investigator
Dates: 7/1/2015 - 7/1/2016
Total amount awarded: 4,544,000 Yen (\$40,551); full amount for salary and fringe benefits.

- 2012-2015 **Amount awarded to Yale:** NA (pre-Yale award)
Australian Research Council Discovery Early Career Researcher Award DE120101289
“Talker distinctiveness in speech timing”
Role: Principal Investigator
Dates: 1/1/2012 - 7/1/2015
Total amount awarded: 375,000 AUD (\$268,162); 255,000 AUD (\$182,350) for salary and 120,000 AUD (\$85,812) for research costs
Amount awarded to Yale: NA (pre-Yale award)
- 2012-2017 Australian Research Council Discovery Grant DP120104596 “You came TO DIE?! Perceptual adaptation to regional accents as a new lens on the puzzle of spoken word recognition”
Role: Principal Investigator, in collaboration with Catherine Best (Western Sydney University), Jen Hay (University of Canterbury), Gerard Docherty (Griffith University), Paul Foulkes (York University), Bronwen Evans (University College London)
Dates: 1/1/2012 - 1/1/2018
Total amount awarded: 501,000 AUD (\$358,265); full amount to research costs
Amount awarded to Yale: NA (pre-Yale award)
- 2012 MARCS Institute research grant “The time course of tone perception and production”
Role: Principal Investigator, in collaboration with Michael Tyler, Michael Proctor, Donald Derrick, and Chong Han.
Dates: 10/1/2012 - 12/15/2012
Total amount awarded: 14,591 AUD (\$10,434); full amount to research costs
Amount awarded to Yale: NA (pre-Yale award)

PRE-DOCTORAL FELLOWSHIPS AND AWARDS (Major only)

- 2009 Dean’s Dissertation Fellowship, New York University
- 2008 Raymond H. Stetson Scholarship, Acoustical Society of America
- 2004-2009 McCracken Graduate Fellowship, New York University
- 2005 Enberg Research Fellowship, New York University
- 1997 Peace and Friendship Scholarship, The Association of International Education Japan (AIEJ)
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PUBLICATIONS

Links to published work available at: <http://campuspress.yale.edu/jasonshaw/publications/>

Google scholar profile: <https://scholar.google.com/citations?user=YqcTbrIAAAAJ&hl=en>

Journal articles (peer reviewed, 26; '+' indicates student author)

Tang, K., & **Shaw, J. A.** 2021. Prosody leaks into the memories of words. *Cognition*, 210, 104601.

+Elvin, J., Williams, D., **Shaw, J. A.**, Best, C. T., & Escudero, P. 2021. The role of acoustic similarity and non-native categorisation in predicting non-native discrimination: Brazilian Portuguese vowels by English vs. Spanish listeners. *Languages*, 6(1), 44.

+Ying, J., **Shaw, J. A.**, Carignan, C., Proctor, M., Derrick, D., & Best, C. T. 2021. Evidence for active control of tongue lateralization in Australian English /l/. *Journal of Phonetics*, 86, 101039.

Kawahara, S., **Shaw, J. A.**, & Ishihara, S. 2021. Assessing the prosodic licensing of wh-in-situ in Japanese. *Natural Language & Linguistic Theory*, 1-20.

Shaw, J. A., Carignan, C., Agostini, T. G., Mailhammer, R., Harvey, M., & Derrick, D. 2020. Phonological contrast and phonetic variation: The case of velars in Iwaidja. *Language*, 96(3), 578-617.

+Mandal, S., Best, C.T., **Shaw, J.A.**, Cutler, A. 2020. Bilingual phonology in dichotic perception: A case study of Malayalam and English voicing. *Glossa: a journal of general linguistics*, 5(1):73. 1-17.

Shaw, J. A., & Tyler, M. D. 2020. Effects of vowel coproduction on the timecourse of tone recognition. *The Journal of the Acoustical Society of America*, 147(4), 2511-2524.

Strycharczuk, P., Derrick, D., & **Shaw, J.A.** 2020. Locating de-lateralization in the pathway of sound changes affecting coda /l/. *Laboratory Phonology: Journal of the Association for Laboratory Phonology*, 11(1), 21.

Shaw, J.A., & Chen, W. R. 2019. Spatially-conditioned speech timing: evidence and implications. *Frontiers in Psychology*, 10, 2726.

Shaw, J.A. and S. Kawahara. 2019. Effects of Surprisal and Entropy on vowel duration in Japanese. *Language and Speech*, 62:1, 80-114.

Shaw, J.A. and S. Kawahara. 2018. Assessing surface phonological specification through simulation and classification of phonetic trajectories. *Phonology*, 35:3, 1-42.

Shaw, J.A. and S. Kawahara, S. 2018. Predictability and Phonology: Past, Present, and Future. *Linguistic Vanguard*, 4(S2), 1-11.

Shaw, J.A., C.T., Best, G. Docherty, B. Evans, P. Foulkes, J. Hay, K. Mulak. 2018. Resilience of English vowel perception across regional accent variation. *Laboratory Phonology: Journal of the Association for Laboratory Phonology*, 9(1), 11, 1-36.

Shaw, J.A. and Kawahara, S. 2018. The lingual articulation of devoiced /u/ in Tokyo Japanese. *Journal of Phonetics*, 66, 100-119.

+Moore, J., **Shaw, J.A.**, Kawahara, S., & Arai, T. 2018. Articulation strategies for English liquids used by Japanese speakers. *Acoustic Science and Technology*, 39, 1-8.

+Blackwood-Ximenes, A., **Shaw, J.A.**, C. Carignan. 2017. A comparison of acoustic and articulatory methods for analyzing vowel differences across American and Australian dialects of English. *Journal of the Acoustical Society of America*, 142, 363-377.

Shaw, J.A., W. Chen, M. Proctor, D. Derrick. 2016. Influences of tone on vowel articulation in Mandarin Chinese. *Journal of Speech, Language, and Hearing Research*, 59, S1566-S1574.

Shaw, J. A. and A.I. Gafos. 2015. Stochastic Time Models of Syllable Structure. *PloS one*, 10(5), e0124714, 1-36.

Shaw, J.A., C. Han, +Y. Ma. 2014. Surviving truncation: informativity at the interface of morphology and phonology. *Morphology*, 24:4, 407-432.

Gafos A., S., Charlow, **J.A. Shaw**, P. Hoole. 2014. Stochastic time analysis of syllable-referential intervals and simplex onsets. *Journal of Phonetics*, 44:1, 152-166.

Shaw J.A. 2013. The phonetics of hyper-active feet: effects of stress priming on speech planning and production. *Laboratory Phonology: Journal of the Association for Laboratory Phonology*, 4(1), 159-189.

Davidson, L. and **J.A. Shaw**. 2012. Sources of illusion in consonant cluster perception. *Journal of Phonetics*, 40:2, 234-248.

Shaw J.A., A.I. Gafos, P. Hoole, C. Zeroual. 2011. Dynamic invariance in the phonetic expression of syllable structure: a case study of Moroccan Arabic consonant clusters. *Phonology*, 28:3, 455-290.

Shaw J.A. and L. Davidson. 2011. Perceptual similarity in input-output mappings: a computational/experimental study of non-native speech production. *Lingua*, 121, 1344-1358.

Shaw J.A., A.I. Gafos, P. Hoole, C. Zeroual. 2009. Syllabification in Moroccan Arabic: evidence from patterns of temporal stability in articulation. *Phonology*, 26:1, 187-215.

Davidson, L., **J.A. Shaw** and T. Adams. 2007. The effect of word learning on the perception of non-native consonant sequences. *Journal of the Acoustical Society of America*, 122:6, 3697-3709.

Scholarly book chapters (peer reviewed, 2)

Kawahara, S., and **J. A. Shaw**. 2018. The Persistence of Prosody. In *Hana-bana: A Festschrift for Junko Ito and Armin Mester*, eds. Ryan Bennett, Andrew Angeles, Adrian Brasoveanu, Dhyana Buckley, Nick Kalivoda, Shigeto Kawahara, Grant McGuire, and Jaye Padgett. Santa Cruz, CA: UCSC Linguistics Research Center. Available at <http://itomestercelebration.sites.ucsc.edu/> .

Shaw J.A. and R. Balusu. 2010. Language contact and phonological contrast: the case of coronal affricates in Japanese loans. In Hasselblatt C., B. de Jonge, M. Norde (eds.): *Language Contact: New Perspectives*, 155-180. Amsterdam: Johns Benjamins.

Published conference papers (peer reviewed, 22; '+' indicates student author)

+Geissler, C., **Shaw, J.A.**, Fang H. & Tiede M. 2021. Eccentric C-V timing across speakers of diaspora Tibetan with and without lexical tone contrasts. *Proceedings of the 12th International Seminar on Speech Production*, Yale University, 4pgs.

+Zhang, M., +Geissler, C., & **Shaw, J. A.** 2019. Gestural representations of tone in Mandarin: Evidence from timing alternations. In Sasha Calhoun, Paola Escudero, Marija Tabain & Paul Warren (eds.) *Proceedings of the 19th International Congress of Phonetic Sciences*, Melbourne, Australia 2019 (pp. 1803-1807). Canberra, Australia: Australasian Speech Science and Technology Association Inc.

Shaw, J. A., Durvasula, K., & Kochetov, A. 2019. The temporal basis of complex segments. In Sasha Calhoun, Paola Escudero, Marija Tabain & Paul Warren (eds.) *Proceedings of the 19th International Congress of Phonetic Sciences*, Melbourne, Australia 2019 (pp. 676-680). Canberra, Australia: Australasian Speech Science and Technology Association Inc.

Shaw, J. A., Best, C. T., Docherty, G., Evans, B., Foulkes, P., Hay, J., & Mulak, K. 2019. An information theoretic perspective on perceptual structure: cross-accent vowel perception. In Sasha Calhoun, Paola Escudero, Marija Tabain & Paul Warren (eds.) *Proceedings of the 19th International Congress of Phonetic Sciences*, Melbourne, Australia 2019 (pp. 582-586). Canberra, Australia: Australasian Speech Science and Technology Association Inc.

+Ying, J., C. Carignan, **J.A. Shaw**, M. Proctor, D. Derrick, & C.T. Best. 2017. Temporal dynamics of lateral channel formation in /l/: 3D EMA data from Australian English. *Interspeech 2017*, [ed] Włodarczak, Marcin, International Speech Communication Association (ISCA), Stockholm, Sweden, 2978-2982.

+Blackwood-Ximenes, A. **J.A. Shaw**, C. Carignan. 2016. Tongue positions corresponding to formant values in Australian English vowels. *Proceedings of the 15th Australasian International Conference on Speech Science and Technology*, Western Sydney University, Australia, 109-112.
(SST Outstanding Student Paper Award winner)

Best, C.T., **J.A. Shaw**, G. Docherty, B. Evans, P. Foulkes, J. Hay, J. Al-Tamimi, K. Mair, K.E. Mulak, S. Wood 2015. From Newcastle MOUTH to Aussie ears: Australians' perceptual assimilation and

adaptation for Newcastle UK vowels. *Proceedings of the 15th Annual Conference of the International Speech Communication Association*. Dresden, Germany, 1932-1936.

+Nguyen, N., **J.A. Shaw**, M. Tyler, R. Pinkus, C. Best. 2015. Affective attitudes towards Asians influence perception of Asian-accented vowels. *Proceedings of the 18th International Congress of Phonetic Sciences*. Glasgow, UK: the University of Glasgow. ISBN 978-0-85261-941-4. Paper number 561, 4pgs.

(LabPhon Outstanding Student Paper special mention)

+Peretokina, V., C. Best, M. Tyler, **J.A. Shaw**, B. Di Biase. 2015. Perception of English codas in various phonological and morphological contexts by Mandarin learners of English. *Proceedings of the 18th International Congress of Phonetic Sciences*. Glasgow, UK: the University of Glasgow. ISBN 978-0-85261-941-4. Paper number 603, 4pgs.

Best, C., **J.A. Shaw**, K. Mulak, G. Docherty, P. Foulkes, J. Hay B. Evans. 2015. Perceiving and adapting to regional accent differences among vowel subsystems. *Proceedings of the 18th International Congress of Phonetic Sciences*. Glasgow, UK: the University of Glasgow. ISBN 978-0-85261-941-4. Paper number 964, 4pgs.

Davis, C., **J.A. Shaw**, M. Proctor, D. Derrick, +S. Sherwood, J. Kim. 2015. Examining speech production using masked priming. *Proceedings of the 18th International Congress of Phonetic Sciences*. Glasgow, UK: the University of Glasgow. ISBN 978-0-85261-941-4. Paper number 560, 4pgs.

Shaw, J.A., C.T. Best, K. Mulak, G. Docherty, B. Evans, P. Foulkes, and J. Hay. 2014. Effects of short-term exposure to unfamiliar regional accents: Australians' categorization of London and York English consonants. *Proceedings of the 14th Australasian International Conference on Speech Science and Technology*, University of Canterbury, New Zealand, 72-75.

+Nguyen N. and **J.A. Shaw**. 2014. Why the SQUARE vowel is the most variable in Sydney. *Proceedings of the 14th Australasian International Conference on Speech Science and Technology*, University of Canterbury, New Zealand, 37-40.

+Wright S., **J.A. Shaw**, C.T. Best, G. Docherty, B. Evans, P. Foulkes, J. Hay, and K. Mulak 2014. Improvements to vowel categorization in non-native regional accents resulting from multiple-versus single-talker training: A computational approach. *Proceedings of the 14th Australasian International Conference on Speech Science and Technology*, University of Canterbury, New Zealand, 124-127.

(SST Outstanding Student Paper Award winner)

Shaw, J.A., W. Chen, M. Proctor, D. Derrick, and +E. Dakhoul. 2014. On the inter-dependence of tonal and vocalic production goals in Chinese. *10th International Seminar on Speech Production*, Cologne, Germany, 399-402.

Shaw, J.A., M. Tyler, B. Kasisopa, +Y. Ma, M. Proctor, C. Han, D. Derrick, and D. Burnham. 2013. Vowel identity conditions the time course of tone recognition. *Proceedings of the 14th Annual Conference of the International Speech Communication Association*. Lyon, France, 3142-3146.

Best, C, **J.A. Shaw** and +E. Clancy. 2013. Recognizing words across regional accents: The role of perceptual assimilation in lexical competition. *Proceedings of the 14th Annual Conference of the International Speech Communication Association*. Lyon, France, 2128-2132.

+Ying, J., **J.A. Shaw**, and C. Best. 2013. L2 English Learners' Recognition of Words Spoken in Familiar versus Unfamiliar English Accents. *Proceedings of the 14th Annual Conference of the International Speech Communication Association*. Lyon, France, 2108-2112.

Shaw, J.A., 2012. Metrical rhythm in speech planning: priming or predictability, *proceedings of the 14th Australasian International Conference on Speech Science and Technology*, Macquarie University, Sydney, 145-148.

+Ying, J, **J.A. Shaw**, C. Kroos, and C. Best. 2012. Relations between acoustic and articulatory measurements of /l/, *proceedings of the 14th Australasian International Conference on Speech Science and Technology*, 109-112.

Shaw J.A. and A. Gafos. 2010. Quantitative evaluation of competing syllable parses. *Proceedings of the 11th Meeting of the Association for Computational Linguistics Special Interest Group on Computational Morphology and Phonology*, Uppsala, Sweden, 54-62.

Shaw. J.A. 2007. /ti~/tSi/ contrast preservation in Japanese loans is parasitic on segmental cues to prosodic structure. In Trouvain, J. and W. Barry (eds.): *Proceedings of the 16th International Congress of Phonetic Sciences*. Saarbrücken, Germany, 1365-1368.

Published conference proceedings (peer reviewed on the basis of abstract only)

Shaw, J.A. and S. Kawahara. 2018. Consequences of high vowel deletion for syllabification in Japanese. *Proceedings of the 2017 Annual Meeting on Phonology*. New York University. LSA publication. 1-12.

+Nguyen, N., **J.A. Shaw**, R.T. Pinkus, C.T. Best. 2016. Intergroup Dynamics in Speech Perception: Interaction Among Experience, Attitudes and Expectations. *University of Pennsylvania Working Papers in Linguistics: Vol. 22:2* (selected papers from NWAV 44), Article 16, 12 pgs.

Shaw, J.A. 2009. Compensatory lengthening via mora preservation in OT-CC: theory and predictions. In M. Abdurrahman, A. Schardl, and M. Walkow (eds.): *Proceedings of the 38th meeting of the North East Linguistic Society*. 297-310. Amherst, Ma: GLSA.

Shaw, J.A. 2006. Learning a stratified lexicon. In Davis C., A. Deal and Y. Zabbal (eds.): *Proceedings of the 36th meeting of the North East Linguistics Society*, 519-530. Amherst, Ma: GLSA.

Book review

Shaw, J.A. 2012. Review of *Vowel patterns in language* by Rachel Walker. *Journal of Linguistics* 48:1, 44-49.

Published abstract

+Iwasaki, R., Whalen, D. H., Roon, K., & **Shaw, J. A.** 2019. Lingual articulatory configurations of Japanese devoiced vowels. *The Journal of the Acoustical Society of America*, 146(4), 3083-3084.

Shaw, J.A., Carignan, C., Agostini, T., Mailhammer, R., Harvey, M., & Derrick, D. (2018). Stop, approximant, and timing slot: The changing faces of the velar stop in Iwaidja. *Journal of the Acoustical Society of America*, 144(3), 1941-1941.

Davidson L, **J.A. Shaw** 2009. A closer look at perceptual epenthesis in cross-language perception, *Journal of the Acoustical Society of America* 125, 2752-2753.

Edited volumes

Shaw, J.A., S. Kawahara. 2018. The role of predictability in shaping sound patterns in human language. Special collection of 14 papers in *Linguistic Vanguard*.

Cox, F., Demuth, K., Lin, S., Miles, K., Palethorpe, S., **J.A. Shaw**, and I. Yuen (eds). 2012. Proceedings of the 14th Australasian International Conference on Speech Science and Technology. Causal Productions, ISSN 1039-0227.

INVITED PRESENTATIONS

2021. Tones as gesture: space, time, perception, and change. *Institute of phonetics and speech processing Colloquium*, May 12th, Ludwig-Maximilians University, Munich, Germany.

2021. Gestural coordination in the living lexicon of spoken words. *Speech Science Forum*, February 11th, University College London.

2019. The temporal geometry of phonology, *Department of Linguistics and Cognitive Science Colloquium*, November 15th, University of Delaware.

2019. Assessing surface phonological specification through simulation and classification of phonetic trajectories. Invited talk, *Exploring Interfaces: Workshop on Articulatory Phonetics & Phonology*, October 18th, National Tsing Hua University, Taiwan.

2019. Exposing phonological structure through phonetic variation. Invited talk, *Exploring Interfaces: Workshop on Articulatory Phonetics & Phonology*, October 17th, National Tsing Hua University, Taiwan.

2019. The temporal geometry of phonology. *Department of Linguistics Colloquium*, September 23rd, University of Southern California.

2019. Common coordination patterns in prosodic and segmental domains. Invited talk, *Hanyang*

International Symposium on Phonetics and Cognitive Sciences of Language (HISPhonCog), May 24th, Hanyang University, Seoul, Korea.

2019. The temporal geometry of phonology. Invited talk, *Ph2 series*, May 2nd, Cornell University.
2019. Phonological control of time. Invited talk, *LingLang Lunch series*, March 26th, Brown University
2019. Variation in the lingual articulation of voiceless vowels in Tokyo Japanese. Invited talk, March 14th, UC Berkeley.
2018. The What, Whether, and When of phonological structure in the speech signal. Keynote, *Graduate Linguistics Expo At Michigan State (GLEAMS)*. Nov 2nd, Michigan State University.
2017. Linking phonetics and phonology in the frequency domain. *Department of Linguistics Colloquium*, February 24th, Stony Brook University.
2017. Generative micro-prosody. Invited talk (*Sound Workshop*), February 17th, UMASS Amherst.
2016. Towards a rigorous assessment of linear interpolation. Invited talk, February 24th, Yale University, New Haven.
2016. Lingual articulation of devoiced vowels in Japanese. Invited talk, February 6th, Phonological Association in Kobe (PAIK), Kobe, Japan.
2016. Lingual articulation of devoiced vowels in Japanese. Invited talk, February 2nd, RIKEN Brain Science Division (Reiko Mazuka lab), Wako, Japan.
2015. Grammar or processing? the locus of informativity effects in new word formation. Invited talk, October 22th, Tokyo University, Japan.
2015. Some consequences of micro-prosody for phonetic variation. Invited talk, *International Conference on Phonetics and Phonology*, Keio University, Tokyo, September 25th
2014. Integration of phonological and indexical information in speech. Invited keynote, *Workshop on Phonological Assimilation*. University of Auckland, New Zealand, November 29th.
2014. Static Bayes or Dynamic Invariance: a comparison of computational approaches relating phonological structure to phonetic parameters. Invited talk, *Workshop on the acquisition of prosody*. Macquarie University, Sydney, December 8th.
2013. Vowel identity conditions the time course of tone recognition. Invited talk, 25th *North American Conference on Chinese Linguistics (NACCL)*, University of Michigan, June 22nd.
2013. Perceptual attunement to coarticulation: the case of tones and vowels in Mandarin Chinese. Invited talk, September 10th, Potsdam University, Germany.

2012. Dynamic invariance in the phonetic expression of syllable structure. Invited talk, July 16th University College London, UK.
2012. The phonetics of hyper-active feet. Invited talk, July 12th, Cornell University, Ithaca, NY.
2012. Dynamic invariance in the phonetic expression of syllable structure. Invited talk, June 25th University of Michigan, Ann Arbor, MI.
2012. A computational model of vowel dynamics: Predictions for perception of structured variation. Invited keynote, *The Social Side of Speech*, April 12th, University of Western Sydney.
2011. Dynamic invariance in the phonetic expression of syllable structure. Invited talk, November 30th, New Zealand Institute of Language, Brain and Behaviour, Christchurch, NZ.
2010. Computational tools for diagnosing phonological structure from temporal patterns in speech. Invited talk, November 17th, MARCS Auditory Laboratories, Sydney, Australia.
2010. Quantitative evaluation of competing syllable parses. Invited talk, February 17th, Macquarie University, Sydney.
2010. Computational links between phonological syllables and phonetic patterns. Invited talk, February 9th, University of Kentucky.
2010. The temporal basis of syllable structure. Invited talk, January 22nd, University of Utah.
2009. The temporal organization of syllabic structure. Invited talk, February 4th, University of California Santa Cruz, Santa Cruz, CA.
2008. Revisiting the relation between linguistic structure and temporal stability. Invited talk, December 4th, Haskins Laboratories, New Haven, CT [with A. Gafos].

SELECTED CONFERENCE PRESENTATIONS

2020. Eccentric C-V timing across speakers of diaspora Tibetan with and without lexical tone contrasts. *12th International Seminar on Speech Production*. Haskins Laboratories, Yale University, December 6-8th. [with +Christopher Geissler, Mark Tiede & Fang Hu]
2020. Articulatory correlates of morpheme boundaries: preliminary evidence from intra- and inter-gestural timing in the articulation of the English past tense. *12th International Seminar on Speech Production*. Haskins Laboratories, Yale University, December 6-8th. [with +Vivian Guo Li, +Sejin Oh, +Garima Chopra, +Joshua Celli]
2020. Russian palatalization as incomplete neutralization. *12th International Seminar on Speech Production*. Haskins Laboratories, Yale University, December 6-8th. [with +Sejin Oh, Alexei Kochetov & Karthik Durvasula]

2020. Lingual articulatory evidence of Japanese devoiced vowels: /u/ still there? *12th International Seminar on Speech Production*. Haskins Laboratories, Yale University, December 6-8th. [with +Rion Iwasaki, Kevin Roon, D.H. Whalen]
2020. Milliseconds and years: two times scales in bidirectional sound change within the non-coronal fricatives of Southwest Mandarin. *North American Conference on Chinese Linguistics*, University of Connecticut, September 18-20. [with Dongmei Rao]
2020. Distinguishing complex segments from consonant clusters using gestural coordination. *Annual Meeting on Phonology*. University of California Santa Cruz, September 18-20 [with +Sejin Oh, Alexei Kochetov, Karthik Durvasula].
2020. Acoustic consequences of vowel deletion in devoicing environments. *17th Conference on Laboratory Phonology*. University of British Columbia, July 6-8. [with Shigeto Kawahara & James Whang]
2020. Prosody or Information rate? Informativity effects on pitch, intensity and duration in Mandarin Chinese words. *17th Conference on Laboratory Phonology*. University of British Columbia, July 6-8. [with Kevin Tang]
2019. Do Japanese speakers always prosodically group wh-elements and their licenser? Implications for Richards' (2010) theory of wh-movement. *Annual Meeting on Phonology*. Stony Brook University, October 11-13 [with Shigeto Kawahara, Shinichiro Ishihara].
2019. Sentence prosody leaks into the lexicon: evidence from Mandarin Chinese. *Annual Meeting on Phonology*. Stony Brook University, October 11-13 [with Kevin Tang].
2019. How coordination relations structure phonetic variation. *Linguistic Society of America Annual Meeting*, New York City, January 6th.
2018. Stop approximant and timing slot: the changing faces of the velar stop in Iwaidja. *176th Meeting of the Acoustical Society of America (special session on the Phonetics of Under-Documented Languages)*. Victoria, Canada, November 5-9. [with Robert Mailhammer, Mark Harvey, Chris Carignan, Tonya Agostino, Donald Derrick]
2018. Gestural representations of tone in Mandarin: Evidence from timing alternations. *Annual Meeting on Phonology*, UC San Diego, October 5-7. [with Muye (Andy) Zhang & Christopher Geissler]
2018. What we know about what we've never heard: evidence from production. *Annual Meeting on Phonology*, UC San Diego, October 5-7. [with Shigeto Kawahara]
2018. Variation in the spatial position of articulators influences the relative timing between consonants and vowels: evidence from CV timing in Mandarin Chinese. *16th Conference on Laboratory Phonology*, Universidade de Lisboa, Lisbon Portugal, June 19-22. [with Wei-rong Chen]
2017. Consequences of high vowel deletion for syllabification in Japanese. *Annual Meeting on Phonology*,

New York University, September 15-17.

2017. Modeling articulatory dynamics in the frequency domain. Workshop on *Dynamic Modeling in Phonetics and Phonology* satellite event of the 53rd meeting of the *Chicago Linguistics Society*, University of Chicago, May 24-27.
2016. Dynamic listening: temporal expectations guide perception of phonetic detail. *15th Conference on Laboratory Phonology*, Cornell University, July 13-16.
2015. Bolstering phonological fieldwork with ultrasound: lenition and approximants in Iwaidja. *Ultrafest VI*, University of Hong Kong, Hong Kong, China, December 8-10.
2014. Perceptual attunement to coarticulation: hearing tone in vowel height. *14th Conference on Laboratory Phonology*, National Institute for Japanese Language and Linguistics, Tokyo, Japan, July 26.
2014. Effects of short-term exposure to unfamiliar regional accents: Australians' categorization of London and York English consonants. *14th Australasian International Conference on Speech Science and Technology*, University of Canterbury, New Zealand.
2013. Surviving truncation: informativity at the interface of morphology and phonology. *International Symposium on Morphology and its interfaces*. Lille, France, September 9.
2012. Metrical rhythm in speech planning: priming or predictability. *14th Australasian International Conference on Speech Science and Technology*, Macquarie University, Sydney, Australia.
2012. Relations between acoustic and articulatory measurements of /l/. *14th Australasian International Conference on Speech Science and Technology*, Macquarie University, Sydney, Australia [with Ying, J, Kroos, C., and C. Best].
2012. Informativeness shapes creativity: evidence from new word formation in Chinese. *20th Annual Conference of the International Association of Chinese Linguistics*, Hong Kong Polytechnic University, August 30.
2012. The role of phonological competition in stress shift. *13th Conference on Laboratory Phonology*, Stuttgart, Germany, July 27.
2012. Biases towards metrical (ir)regularity in speech production. *Perspectives on Rhythm and Timing workshop*, University of Glasgow, July 19.
2010. Temporal organization within and across syllables. *13th Conference on Laboratory Phonology*, July 10, Albuquerque, NM [with A. Gafos, P. Hoole, C. Zeroual].
2010. Quantitative evaluation of competing syllable parses. *Association for Computational Linguistics SIGMORPHON-11*, July 15, Uppsala, Sweden [with A. Gafos].

2010. Perceptual illusions in non-native clusters are context-dependent. *Linguistic Society of America Annual Meeting*, January 10th, Baltimore, MD [with L. Davidson].
2010. Linguistic influences on the temporal organization of words. *Linguistic Society of America Annual Meeting*, January 9th, Baltimore, MD.
2009. Perceptual similarity does not account for repairs of non-native phonotactics. Workshop on Phonological similarity at the 40th meeting of the North East Linguistic Society, November 15th, MIT [with L. Davidson].
2009. A closer look at perceptual epenthesis in cross-language perception (poster). Workshop on Cross-Language Speech Perception and Variation in Linguistic Experience at the 157th meeting of the Acoustical Society of America, 125:4, 2752-2753, Portland, OR. [with L. Davidson].
2008. The temporal organization of syllable structure: experiment and model. *Northeast Computational Phonology Meeting (NECPhon 2008)*. November 15th, Yale University, New Haven, CT. [with A. Gafos]
2008. Temporal stability as an index of syllable structure: data and model. *Consonant Clusters and Structural Complexity*. July 31-August 2, Institute of Phonetics and Speech Processing, Ludwig-Maximilians-University, Munich, Germany. [with A. Gafos, P. Hoole, C. Zeroual].
2008. C-Center and syllabification in Moroccan Arabic. *CUNY conference on the syllable*. January 18th, City University of New York Graduate Center, New York, NY [with A. Gafos].
2007. Compensatory lengthening via mora preservation in OT-CC: theory and predictions. 38th meeting of the North East Linguistic Society. University of Ottawa, Canada.
2007. /ti~/tSi/ Contrast preservation in Japanese loans is parasitic on segmental cues to prosodic structure. 16th International Congress of Phonetic Sciences. Saabrücken, Germany.
2007. Structure mapping in loan phonology. *Experimental Approaches to Optimality Theory*. May 18th, University of Michigan, Ann Arbor, MI.
2006. Language contact and borrowed contrast: the case of coronal affricates in Japanese loans. *Language contact in times of globalization*. Sept. 22nd, University of Groningen, Netherlands. [with R. Balusu]
2006. Deriving moraic consonants from temporal coordination. *14th Manchester Phonology Meeting*, Manchester, England.
2005. Strata categorization by variegated similarity (poster) 36th meeting of the North East Linguistic Society. University of Massachusetts, Amherst, MA.
2005. Deriving Lexical Stratification from an Exemplar Model: the case of Japanese Compounds. *4th Phonology of Long Island Sound Conference*. Yale University, New Haven, CT.

TEACHING

Research Student Advising

Ph.D. dissertation chair - Yale

2017- Christopher Geissler, *Consonant-tone interactions in Tibetan*
(successful defense: 01/25/2021)

2020 Dolly Goldenberg, *The objects of speech perception: evidence from multi-modal integration*
2018 best student poster award at the Acoustical Society of America Meeting
Language Engineer at Apple

Ph.D. dissertation committee - Yale

2019- Sarah Babinski, *The diachrony of stress in Australian languages*

2019- Andy Zhang, *Linguistic variation from cognitive variability: the Case of English have.*

2017 Yao-ying Lai, *The complement coercion phenomenon: implications for models of sentence processing.*

Post-doc at National Rehabilitation Center for Persons with Disabilities (Tokorozawa, Japan)

Elsewhere (on-going)

2019- Sejin Oh, *Prosodic influences on the articulatory basis of complex segments*, CUNY Graduate Center and Haskins Laboratories (expected 2022)

2019- Rion Iwasaki, *The articulation of whispered and devoiced vowels in Japanese*, CUNY Graduate Center and Haskins Laboratories (expected 2023)

Elsewhere (complete)

2020 Stacey Sherwood, *Social knowledge in the production and perception of linguistic variation*, Western Sydney University.

2020 Jia Ying, *Evidence for active control of tongue lateralization in Australian English /l/ and its acoustic consequences*, Western Sydney University.

Post-doc at Nanjiang Normal University

2019 Jeff Moore, Sophia University, *Production of English liquid consonants by Japanese English speakers.*

Assistant Professor at Toyo Gakuen University

2019 Martin Ip, Western Sydney University, *Universal and Language-specific processing: the case of Prosody.*

Post-doc at University of Pennsylvania

2018 Ling Wang, Stony Brook University, *A model-based mathematical approach: the use of entropy-based quantities to characterize phone variation.*

2018 Nhung Nguyen, Western Sydney University, *The role of intergroup attitudes in speech perception*

2016 Jaydene Elvin, Western Sydney University, *The role of the native language in non-native perception and spoken word recognition: English vs. Spanish learners of Portuguese*

Assistant Professor (tenure track) in linguistics at Cal State Fresno

Ph.D. dissertation reader - Yale

2020- Sophia Hao, *Grammatical representations in neural networks.*

2017 Shira Calamaro, *Stratal Harmonic Serialism: Typological Predictions and Implications*

Elsewhere

2016 Tamara Schembri, Macquarie University, *Online Acquisition of Cairene Arabic Word Stress Patterns over Time*

M.A. and Qualifying papers - Yale

2020 Marisha Evans, *Welsh vowel mutations: saltation and productivity* (advisor)

2019 Sarah Babinski, *Pitch anchoring in languages of Australia* (second reader)

2019 Andy Zhang, *Gestural representations of tone in Mandarin: Evidence from timing alternations* (advisor)

2018 Sarah Babinski, *Exploring acoustic evidence for theories of stress in Southern East Cree* (advisor)

2018 Andy Zhang, *Real-time roots of meaning change: Electrophysiology reveals the contextual-modulation processing basis of synchronic variation in the location-possession domain* (second reader)

Elsewhere

2016 Arwen Blackwood-Ximenes, Western Sydney University, *The relation between acoustic and articulatory variation in vowels*

Research Associate at MARCS Institute for Brain, Behavior and Development

2013 Jia Ying, Western Sydney University, *The relation between acoustic and articulatory measurements of English liquids: comparison of Australian and American English*
Ph.D. candidate

2013 Stacey Sherwood, Western Sydney University, *ra-nuki in Japanese verbs: linguistic and social pressures*
Ph.D. candidate

Undergraduate thesis - Yale

2019 Noah Macey, *S-morpheme durations in English: An experimental approach*

2018 Jonathan Roig, *Perception of dialect standardness in Puerto Rican Spanish*

2018 Allen Keith Woodridge, *Automatic talker recognition across languages*

2017 Carmen Wilson, *Lexical statistics determine the choice of epenthetic vowel in Japanese loanword adaptation* (co-advised with Ryan Bennett)

Elsewhere

2015 Stacey Sherwood, Western Sydney University, *The perceived social distribution of potential suffix allomorphs in Japanese verbs* (co-advised with Robert Mailhammer)

2012 Jaydene Elvin, Western Sydney University, *The perception of Portuguese mid-vowels by Australian English and South American Spanish listeners* (co-advised with Paola Escudero)

2012 Elizabeth Clancy, Western Sydney University, *Perceptual adaptation to accents of English* (co-advised w/ Cathi Best)

2012 Jia Ying, Western Sydney University, *Perceptual adaptation of Chinese listeners to unfamiliar accents of English* (co-advised w/ Cathi Best)

Other research supervision – Yale

2020 (fall) Theo Sandstrum, Phonetics Laboratory research assistant

2019 (summer, fall) Noah Gershenson, Phonetics Laboratory research assistant

2017-2019 Noah Macey, Phonetics Laboratory research assistant

2017 (summer) Joseph Class, Phonetics Laboratory research assistant

2017 (summer) Emily Grabowski, Phonetics Laboratory research assistant

Elsewhere

- 2014 Stacey Sherwood, intern, Electromagnetic Articulography data acquisition and analysis (Western Sydney Outstanding Intern Award)
- 2014 Sarah Wright, research assistant, computational modelling of vowel categorization
- 2014 Ronia Zeidan, research assistant, computational modelling of vowel categorization
- 2013 Jia Ying, independent study, *The relation between acoustic and articulatory measurements of English liquids: comparison of Australian and American English*
- 2013 Stacey Sherwood, independent study, *ra-nuki in Japanese verbs: linguistic and social pressures*
- 2011 Jia Ying, independent study, *Acoustic measurements of /l/ in Onset and Coda position produced by American and Australian English speakers*

Courses Taught

Courses at Yale (listed chronologically with enrollment in parenthesis)

- Spring 2021— teaching leave (Associate Professor Leave)
- Fall 2020— teaching leave (Associate Professor Leave)
- Spring 2020 – LING 238 Encoding Speech in Minds and Machines (12)
- Spring 2020 – LING 888 Writing Linguistics (3)
- Fall 2019 – LING 110 Language: Introduction to Linguistics (44)
- Fall 2019 – LING 236/636 Articulatory Phonology (6)
- Spring 2019– LING 220/620 General Phonetics (13)
- Spring 2019– LING 200/600 Experimentation in Linguistics (9)
- Fall 2018 – LING 110 Language: Introduction to Linguistics (37)
- Fall 2018 – LING 325/725 Topics in Phonology: Complexity (6)
- Spring 2018 – Teaching leave (Yale Junior Faculty Fellowship)
- Fall 2017 – LING 122/522 Speech Perception (3)
- Fall 2017 – LING 236/636 Articulatory Phonology (4)
- Spring 2017 – LING 220/620 General Phonetics (15)

Elsewhere

Courses at Western Sydney University

- English Linguistics for TESOL: phonetics, phonology, syntax, semantics (M.A.)
- The Sound of Language
- The Structure of Language: syntax, semantics, morphology
- The Structure of English
- Applied Critical Methods: empiricism in linguistics (1 lecture)
- Intro to Linguistics: phonetics, phonology, syntax, language and mind (6 lectures)
- Psychology of Language: syntactic structure and parsing (1 lecture)
- Psychology of Language: syntactic structure, typological variation (1 lecture)

One-off Workshops and Seminars

- 2019 Assessing phonological specification through simulation and classification, 3 January, Mini-course at the *Linguistic Society of America Annual Meeting*, New York City
- 2019 Assessing phonological specification through simulation and classification, May 3, Cornell.
- 2014 Statistics for linguistics research, 26 June, 2014

- 2014 Linguistics Field Methods (with Robert Mailhammer), Gamilaraay informant, 6 June, 2014
2013 Linguistics Field Methods (with Robert Mailhammer), Gamilaraay informant, 9 Oct, 2013
2013 Analyzing Electromagnetic Articulography (EMA) data, 13 March, 2013
2011 ResCom Summer Seminar, “Dynamic invariance in the phonetic expression of phonological structure”, 4 December, 2011
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SERVICE

Department/University Service – Yale

- 2020 COVID-19 accommodations committee
2019-20 Director of Graduate Studies
2019-20 Committee on Honors and Academic Standing (CHAS), member
2018-19 Faculty coordinator, Monday Colloquium Series
2016-20 (co-)Organizer, Yale Phonology Reading Group
2017-18 Member, Search Committee Junior Phonologist
2017 interim Director of Graduate Studies (Fall semester)
2016, 17 Member, Graduate Admissions Committee, Yale Linguistics
2017 Diversity representative for Graduate Admissions Committee

Department/University Service – Western Sydney University

- 2014-2015 MARCS Institute research colloquium organizer
2014-2016 Mentor for level B to C promotion applicants
2014 Selection Panel, Research Lecturer in Speech Production
2014 Selection Panel, Postdoctoral Fellowship in Language Learning
2014 Confirmation of Candidature, outside examiner for Yvonne Leung
2013-2014 Speech and Language Academic Meeting organizer, MARCS Institute
2012-2014 Steering committee member, MARCS Institute
2011-2013 Chair – Linguistics, School of Humanities and Communication Arts
2013 Selection Panel, Postdoctoral Fellowship in Music Cognition & Computation
2013 Selection panel, BA casual academic eligibility list for linguistics
2012 Selection Panel, Career Development Fellowship Speech and Language, MARCS
2012 Selection Panel, HEW 5 Research Assistant eligibility list, MARCS Institute
2011 BA Core Unit working group, School of Humanities and Languages
2011 Selection Panel, post-doc in Foundational Processes in Behavior, School of Social Sciences and Psychology
2010-2011 Interpreting and translation accreditation examiner (Chinese-English)
2010 Confirmation of Candidature, outside examiner for Tonya Agostini
2010 BA Honours Thesis arbitrator, Kristine Shead

Conference organization

- 2020 Scientific committee, *International Seminar on Speech Production* (ISSP)
2020 Co-organizer (w/Abigail Cohn), LabPhon 17 satellite workshop, *Situating phonological contrast within the production-perception loop*
2019 Organizing committee, Meaning in Flux, October 10-12, Yale
2019 Organizer, Phonology in the Northeast (PhoNE), April 13th, Yale

- 2016 Co-organizer (w/ Beth Hume, Dominique Estival, Rachel Hendery), Symposium on *The role of predictability in shaping human language sound patterns*, 10-11 Dec, 2016, Western Sydney University.
- 2012 Co-organizer (w/ Cathi Best), *Social Side of Speech*, 12 April, UWS
- 2012 Organizing committee, *14th Australasian International Conference on Speech Science and Technology*, 3-6 Dec, 2012, Macquarie University
- 2011 Organizing committee, *ResCom: researching communication*, 7-12 Dec, UWS

Journal Editing

2014-2020 *Linguistics Vanguard*, phonetics and phonology Area Editor

Scientific Review Committees

- 2020 *Speech Prosody*
- 2019 *Meaning in Flux*
- 2015, 2019 *International Congress of Phonetic Sciences (ICPHS)*
- 2018 *2nd International Symposium on Applied Phonetics*
- 2017-2020 *Annual Meeting on Phonology (AMP)*
- 2017-2020 *CogSci – Annual Meeting of the Cognitive Science Society*
- 2016 *1st Workshop on Sociophonetic variability in the English Varieties of Australia*
- 2016, 2018 *Laboratory Phonology*
- 2011-2016 *Interspeech*
- 2014, 2020 *International Seminar on Speech Production (ISSP)*
- 2012, 2014 *Australasian International conference on Speech Science and Technology (SST)*

Ad-hoc Reviewing

Journal manuscripts for *Phonology*, *Laboratory Phonology*, *Journal of Phonetics*, *Language and Speech*, *Phonetica*, *Journal of the Acoustical Society of America*, *Natural Language and Linguistic Theory*, *Brain and Language*, *Topics in Cognitive Science*, *Proceedings of the National Academy of Sciences*, *Lingua*, *Linguistic Typology*, *Speech Communication*, *Psychological Science*, *Canadian Journal of Linguistics*, *Experimental Brain Science*, *Language and Linguistics*, *International Journal of Audiology*, *Linguistic Vanguard*, *Frontiers in Psychology: language sciences*, *Frontiers in Artificial Intelligence*, *Journal of Cognitive Psychology*

Grant applications reviewed for the National Science Foundation, Australian Research Council and the Social Science and Humanities Research Council (Canada)

Conference papers reviewed for *Linguistics Society of America Annual Meeting*, *Annual Meeting on Phonology*, *Laboratory Phonology*, *Cognitive Science*, *Interspeech*, *International Seminar on Speech Production*, the *Australasian International Conference on Speech Science and Technology*, the *Annual meeting of the North East Linguistics Society (NELS)* and a session proposal for the *Poznan Linguistic Meeting*.

Book proposal for Cambridge University Press (2018)

Professional membership

- 2010- Laboratory Phonology Association
- 2007- Acoustical Society of America
- 2005- Linguistics Society of America
- 2013-2016 International Speech Communication Association
- 2010-2016 Australasian Speech Science and Technology Association

2005-2010

New York Academy of Sciences
