

# Christian DiCanio

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## Education

- 2008 Ph.D. Linguistics, University of California, Berkeley  
Dissertation: *The Phonetics and Phonology of San Martín Itunyoso Trique*
- 2004 M.A. Linguistics, University of California, Berkeley
- 2002 B.A. Linguistics, University at Buffalo (SUNY)

## Employment

- 2015 - present Assistant Professor, University at Buffalo, Department of Linguistics
- 2014 - present Affiliated Scientist, Haskins Laboratories
- 2014 Lecturer in Phonetics, Yale University (Spring semester)
- 2011 - 2014 Postdoctoral Researcher, Haskins Laboratories  
NSF Grant: *From Endangered Language Documentation to Phonetic Documentation*  
Douglas H. Whalen (PI)
- 2009 - 2011 Postdoctoral Researcher funded by the Fyssen Foundation  
CNRS / Laboratoire Dynamique du Langage, Université Lyon 2  
Research Grant Project: *The cross-linguistic perception of tone and phonation type*
- 2008 Lecturer, San Jose State University (Fall semester)

## Peer-reviewed journal articles

submitted. DiCanio, C., Martínez Cruz, B., Cruz Martínez, B., Martínez Cruz, W. Glottal toggling in Itunyoso Triqui.

submitted. DiCanio, C., Zhang, C., Whalen, D.H., and Castillo García, R. Phonetic structure in Yoloxóchtli Mixtec consonants.

accepted. DiCanio, C., Benn, J. and Castillo García. The phonetics of information structure in Yoloxóchtli Mixtec. *Journal of Phonetics*

2015. DiCanio, C., Nam, H., Amith, J.A., Whalen, D.H., and Castillo García, R. Vowel variability in elicited vs. running speech: evidence from Mixtec. *Journal of Phonetics*, 48:45–59.

2014. DiCanio, C. Cue weight in the perception of Trique glottal consonants. *Journal of the Acoustical Society of America*, 135(2):884-895.

2013. DiCano, C, Nam, H., Whalen, D. H., Bunnell, H. T., Amith, J. D., and Castillo García, R. Using automatic alignment to analyze endangered language data: Testing the viability of untrained alignment. *Journal of the Acoustical Society of America*, 134(3):2235-2246.

2012. DiCano, C.T. Cross-linguistic perception of Itunyoso Trique tone. *Journal of Phonetics*, 40:672-688

2012. DiCano, C.T. The Phonetics of Fortis and Lenis Consonants in Itunyoso Trique. *International Journal of American Linguistics*, 78(2):239-272.

2012. DiCano, C.T. Coarticulation between Tone and Glottal Consonants in Itunyoso Trique. *Journal of Phonetics*, 40(1):162-176.

2010. DiCano, C.T. Illustrations of the IPA: Itunyoso Trique. *Journal of the International Phonetic Association*, 40(2):227-238.

2009. DiCano, C.T. The Phonetics of Register in Takhian Thong Chong, *Journal of the International Phonetic Association*, 39(2): 162-188.

## Book chapters

to appear. DiCano, C. Aspecto verbal en Triqui de Itunyoso. In Swanton, M., San Giacomo Trinidad, M., and Hernández Mendoza, F., editors, *Estudios fonológicos de idiomas mixtecanas*. Universidad Nacional Autónoma de México.

to appear. DiCano, C. and Bennett, R. Prosody in Mesoamerican languages. Chapter 28 of *The Oxford Prosody Handbook*. Gussenhoven, C. and Chen, A. (eds). Oxford University Press.

2016. van Doesburg, S., Swanton, M., de Ávila Blomberg, Alejandro, DiCano, C. Flores blancas, campos quemados y quetzales: la morfología histórica mixteca y la etimología de Chiyoyuhu (Suchixtlán, Oaxaca).

2016. DiCano, C. Tonal classes in Itunyoso Triqui person morphology, in *Tone and Inflection*, Empirical Approaches to Language Typology series, Mouton de Gruyter, Palancar, Enrique and Léonard, Jean-Léo (eds).

2015. Armstrong, M., Henriksen, N., and DiCano, C. Sociophonetic analysis of young Peninsular Spanish women's voice quality. In *Hispanic linguistics at the crossroads: Theoretical linguistics, language acquisition and language contact*, ed. by R. Klassen, J. M. Liceras & E. Valenzuela. Amsterdam: John Benjamins Publishing Company.

## Books and Edited Collections

2016. DiCano, C., Malins, J., Good, J. Michelson, K., Jaeger, J., and Keily, H. (eds) *Proceedings of the 5<sup>th</sup> International Symposium on the Tonal Aspects of Languages (TAL)* Buffalo, NY. DOI: 10.21437/TAL.2016.

2010. DiCanio, C.T., Cruz Martínez, B. *Chungwì Snáhánj nìh, El Mundo Triqui: Palabras de San Martín Itunyoso*, Colección diálogos: pueblos originarios de Oaxaca, Serie Glifos. Oaxaca, Mexico: Culturas Populares / CONACULTA.

## Conference Proceedings

2015. DiCanio, C. and Whalen, D.H. The interaction of vowel length and speech style in an Arapaho speech corpus, *Proceedings of the 18<sup>th</sup> International Congress of the Phonetic Sciences (ICPhS)*, Glasgow, Scotland.

2014. DiCanio, C. Triqui tonal coarticulation and contrast preservation in tonal phonology, in In Bennett, R., Dockum, R., Gasser, E., Goldenberg, D., Kasak, R., and Patterson, P., editors, *Proceedings of the Workshop on the Sound Systems of Mexico and Central America*, Yale University, New Haven, CT.

2014. DiCanio, C., Amith, J.A., and Castillo García, R. The phonetics of moraic alignment in Yoloxóchitl Mixtec, *Proceedings from the 4th Tonal Aspects of Languages Conference*, Nijmegen, the Netherlands.

2012. DiCanio, C.T., Nam, H., Whalen, D.H., Bunnell, H.T., Amith, J.A., and Castillo García, R. Assessing agreement level between forced alignment models with data from endangered language documentation corpora. *Proceedings from Interspeech-2012*, Portland, OR.

2006. DiCanio, C.T. On Non-optimal Laryngeal Timing: The Case of Trique. *Proceedings from the Berkeley Linguistics Society*, Volume 32.

## Manuscripts

2007. Johnson, K., DiCanio, C.T., and MacKenzie, L. The Acoustic and Visual-Phonetic Basis of Place of Articulation in Excrescent Nasals, *Annual Report of the Phonology Laboratory at the University of California, Berkeley*, 3:529-561.

2005. DiCanio, C.T. Expressive Alliteration in Mon and Khmer. *Annual Report of the Phonology Laboratory at the University of California, Berkeley*, 1:337-393.

## Invited Talks

2017. *The phonetics of prosody in Yoloxóchitl Mixtec*, University of Toronto.

2017. *Phonetic variation and the construction of a Mixtec spoken language corpus*, McGill University.

2016. *Word and sentence-level prosody in complex tone languages*, Department of Linguistics, North Carolina State University.

2015. *Tonal dissimilation and dispersion in speech production*, Department of Linguistics, University of Chicago.

2015. *¿Por qué nos importan los tonos otomangués?* (Why Otomanguéan tone matters.) plenary talk

at Conference on the Indigenous Languages of Latin America (CILLA) VII, University of Texas, Austin.

2014. *The Sounds of Triqui: quantitative approaches to language description and its ramifications for historical change*, Institute of Mesoamerican Studies, University of Albany (SUNY).

2014. *Moraic alignment of Mixtec tone: exploring complex timing relations in Oto-Manguean tonal systems*, Workshop on tonal dimensions in language, University of Massachusetts, Amherst.

2014. *Phonetic patterns in Oto-Manguean tonal systems*, plenary talk at The 4<sup>th</sup> Conference on Tonal Aspects of Languages, Nijmegen, the Netherlands.

2014. *Triqui tonal coarticulation and contrast preservation in tonal phonology*, Workshop on Sound Systems of Mesoamerican and Central America, Yale University, New Haven, CT.

2014. *“Big data” in small languages: challenges in extracting phonetics from endangered language corpora*, Department of Linguistics, Cornell University.

2013. *“Big data” in small languages: challenges in extracting phonetics from endangered language corpora*, Tri-Co Department of Linguistics (Swarthmore, Haverford, and Bryn Mawr colleges).

2013. *Fieldwork and tone in Mexico*. Workshop presented to the Endangered Language Initiative, CUNY Graduate School.

2013. *Coarticulatory variation in Trique tone*. Talk presented to the Endangered Language Initiative, CUNY Graduate School.

2012. *Prosody in Oto-Manguean Languages: The state of the art*, presented in *Prosody in Endangered Languages* panel at *Prosody in the Wider World*, Cologne, Germany.

2012. *The phonetics of tone and stress in Ixcatec*, Dartmouth College, Hanover, New Hampshire.

2010. *Production and Perception of Trique tone*, CELIA (Centre d’Etudes des Langues Indigènes d’Amérique), Université Paris III, Villejuif.

2007. *Los consonantes y los tonos en el Triqui de San Martín Itunyoso*, Trique Roundtable, Universidad Nacional y Autónoma de México (UNAM). Mexico City, Mexico.

2006. *The Phonetics of Consonantal Pitch Perturbation: An Analysis of Itunyoso Trique*, Workshop on Tone and Complexity, Dynamique du Langage, University Lyon-2, Lyon, France.

2006. *A Tricky Phoneme in Trique: The Pre-Stopped Nasal*, Phonetics in a Typological Perspective, Conference in Honor of Ian Maddieson, Berkeley, CA.

2005. *The Phonetics of Register in Chong*, Mahidol University, Thailand.

## Conference Presentations / Posters

2017. (with Joshua Ben and Rey Castillo García) *Desenredando los efectos de posición y entonación en la producción de tono en mixteco*. Conference on the Indigenous Languages of Latin America (CILLA) VIII, University of Texas, Austin.

2017. (with Wei Rong Chen, Joshua Benn, Jonathan D. Amith, and Rey Castillo García) *Automatic detection of extreme stop allophony in Yoloxóchitl Mixtec*. Annual Meeting in Phonology, New York University.
2017. (with Basileo Martínez Cruz and Benigno Cruz Martínez) *Triqui tonal complexity in and out of the corpus: from description to documentation and back*, Symposium on American Indian Languages, Rochester Institute of Technology.
2017. (with Joshua Benn and Rey Castillo García) *Word and sentence level prosody in complex tone languages*, 91<sup>st</sup> meeting of the Linguistic Society of America, Austin, TX.
2016. (with D.H. Whalen, Christopher Geissler, and Hannah King) *Acoustic realization of a distinctive, frequent glottal stop: The Arapaho example*, 171<sup>st</sup> meeting of the Acoustical Society of America, Salt Lake City, Utah.
2016. (with Joshua Benn and Rey Castillo García) *La fonética del focus en mixteco de Yoloxóchitl*, Coloquio de lenguas otomangues y vecinas (COLOV) VII: Juan José Rendón, Oaxaca, Mexico.
2015. (with D.H. Whalen and H. Nam) *Labor-saving use of “forced alignment” for two endangered languages*, 89<sup>th</sup> Linguistic Society of America Annual Meeting, Portland, OR.
2014. (with D.H. Whalen) *Vowel production in a spoken Arapaho corpus*. The 46<sup>th</sup> Algonquian conference, Mohegan Sun, Connecticut.
2014. *Tone Perception in Rural Mexico: Cultural Expectations and Speech Theory*, Annual meeting of the American Academy for the Advancement of Science (AAAS), Chicago, IL.
2013. (with D.H. Whalen) *Phonetic patterns of Arapaho vowels*, The 45<sup>th</sup> Algonquian conference, Ottawa, Canada.
2013. (with Hosung Nam) *Articulatory parameterization in Trique tone production: Experimental results and modeling*, 165<sup>th</sup> Meeting of the Acoustical Society of America and 21<sup>st</sup> International Congress on Acoustics, Montréal, Canada.
2013. (with H. Nam, D.H. Whalen, J.D. Amith, and R. Castillo-García) *Automatic alignment in Yoloxóchitl Mixtec documentation corpora*, 87<sup>th</sup> Linguistic Society of America Annual Meeting, Boston, MA.
2012. (with H. Nam, D.H. Whalen, J.D. Amith, and R. Castillo-García) *Assessing agreement level between forced alignment models with data from endangered language documentation corpora*, 2012 Interspeech Meeting, Portland, Oregon.
2012. *La fonética de los tonos y el acento en Ixcateco*, 5<sup>a</sup> Coloquio de lenguas otomangues y vecinas (CoLOV5), Oaxaca, Mexico.
2012. (with J. Amith and R. Castillo García) *Phonetic Alignment in Yoloxóchitl Mixtec Tone*, Society for the Study of the Indigenous Languages of the Americas Annual Meeting, Portland, OR.
2011. *Perceptual Cues of Laryngeal Contrasts in Trique*, 85<sup>th</sup> Linguistic Society of America Annual Meeting, Pittsburgh, PA.
2011. *The Phonetics of Glottalized Consonants in Ixcatec*, Society for the Study of the Indigenous Lan-

guages of the Americas Annual Meeting, Pittsburgh, PA.

2010. *Chungwì Snáhánj nih: El Mundo Triqui, Palabras de San Martín Itunyoso*, presented at the Presentación del Libro: Culturas Populares de Oaxaca, Oaxaca, México.

2010. *Perceptual Cues of Tonal and Laryngeal Contrasts in Itunyoso Trique*, 4<sup>th</sup> European Conference on Tone and Intonation (TIE4), Stockholm, Sweden.

2010. *Tone Perception in Itunyoso Trique*, 12<sup>th</sup> Conference in Laboratory Phonology, Albuquerque, NM.

2010. *Cross-linguistic perception of Itunyoso Trique tone*, 84<sup>th</sup> Linguistic Society of America Annual Meeting, Baltimore, MD.

2009. *Tone-Glottal Coarticulation in a Complex Tone Language*, Annual Meeting of the Acoustical Society of America, San Antonio, Texas.

2009. *Consonant Length in Monosyllables: Typology, Diachrony, and Phonetics*, presented at *Monosyllables: From Typology to Phonology*, Bremen, Germany.

2009. *Tone-Laryngeal Phasing in Trique*, 83<sup>rd</sup> Linguistic Society of America Annual Meeting, San Francisco, CA.

2008. (with Keith Johnson and Laurel MacKenzie) *The Acoustic and Visual Phonetic Basis of Place of Articulation in Excrescent Nasals*, 82<sup>nd</sup> Linguistic Society of America Annual Meeting, Chicago, IL.

2007. *Phonetic Correlates of Phonological Register in Takhian Thong Chong*, Annual Meeting of the Acoustical Society of America, New Orleans, LA.

2007. *The Phonetics of Fortis-Lenis: The Case of Trique*, 81<sup>st</sup> Linguistic Society of America Annual Meeting, Anaheim, CA.

2006. *The Phonetics of Register in Takhian Thong Chong*, Rara & Rarissima: Collecting and Interpreting Unusual Characteristics in Human Languages, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

2006. *Sensitivity of Glottalization to Prosodic Structure in Itunyoso Trique*, Society for the Study of the Indigenous Languages of the Americas Annual Meeting, Albuquerque, NM.

## Grants and External research funding

March 2016 – February 2017. National Science Foundation Grant 1566053 - \$30,534  
*Tonal Aspects of Language Symposium: Bridging Linguistic and Psycholinguistic Perspectives on Tone*

July 2014 – October 2017. National Science Foundation Grant 1360670 - \$340,456  
November 2017 – April 2018. National Science Foundation Supplemental award for Grant 1360670 - \$39,016  
*Understanding Prosody and Tone Interactions through Documentation of Two Endangered Languages (Itunyoso Trique [trq] and Yoloxóchitl Mixtec [xty])*

September 2009 – August 2011. Fyssen Foundation Postdoctoral Grant - 50,000 euros

*The cross-linguistic perception of tone and phonation type*

Summer 2006, 2008. UC Berkeley Department of Linguistics Summer Research Grant. Research on Itunyoso Trique, Oaxaca, Mexico.

Summer 2006. Tinker Foundation Travel Grant. Research on Itunyoso Trique, Oaxaca, Mexico.

2004 – 2009. UC Berkeley Survey of California and Other Indian Languages, Travel Grants. Research on Itunyoso Trique in California and Mexico.

Summer 2005. UC Berkeley Social Sciences Division Block Grant. Research on Itunyoso Trique in Oaxaca, Mexico and Takhian Thong Chong in Chanthaburi, Thailand.

Summer 2003. UC Berkeley Graduate Division Summer Grant. Linguistic Society of America Summer Institute, Lansing MI.

## Fellowships

2006. UC Berkeley Dean's Normative Time Dissertation Fellowship

2004–2005. Foreign Language and Area Studies Fellowship in Khmer, U.S. Department of Education

2003. UC Berkeley Department of Linguistics Graduate Fellowship

## Advising

### Graduate student advising – Chair of dissertation

Xiaole Sun, University at Buffalo, Department of Linguistics

2015 - 2017. *Gradience in Contextual Tonal Variations in Nanjing Chinese*

Joshua Benn, University at Buffalo, Department of Linguistics

2016 - present. *The Phonology and Morphology of Guienagati Zapotec*

### Graduate student advising – Committee member

Karl Sarvestani, University at Buffalo, Department of Linguistics

2015 - present. *The Phonetics of tone and stress in Karen*

### Graduate student advising – External committee member

Fidel Hernández Mendoza. Universidad Nacional Autónoma de Mexico. Estudios Mesamericanos

2016 - present. *Tono y fonología segmental en el triqui de Chicahuaxtla*

Rolando Coto-Solano. University of Arizona, Department of Linguistics

2016 - 2017. *Tonal Reduction and Literacy in Me'phaa Vátháá*

Kevin L. Penner. University of Alberta, Department of Linguistics

2014 - present. *The Morphophonemics of Tone in Ixtayutla Mixtec*

Ryan Sullivant. University of Texas at Austin, Department of Linguistics

2012 - 2015. *A grammar of Tataltepec Chatino*

## Teaching

### Courses taught

LING 301: English Phonetics and Phonology	University at Buffalo	Spring 2016
LING 431/531: Phonetics	University at Buffalo	Fall 2015, Fall 2016
LING 432/532: Phonology	University at Buffalo	Spring 2017
LING 519: Linguistics Forum	University at Buffalo	Fall 2016
LING 527: Linguistic Field Methods: Karenni	University at Buffalo	Fall 2016
LING 528: Linguistic Field Methods: Konkani	University at Buffalo	Spring 2017
LING 623: Graduate seminar on Prosody	University at Buffalo	Fall 2015
LING 624: Quantitative Methods in Linguistics	University at Buffalo	Spring 2015
Field Methods: Apoala Mixtec	CO-LANG 2014 (UT Arlington)	Summer 2014
LING 220: Phonetics	Yale University	Spring 2014
Seminar on Phonetics	Université Lyon 2	Spring 2010
	Laboratoire Dynamique du Langage	
Linguistics 123: Sound and Communication	San Jose State University	Fall 2008

## Service

### Internal

Graduate admissions committee, Winter 2016-2017.

Chair of organizing committee, *The 5<sup>th</sup> International Symposium on Tonal Aspects of Language*, held in Buffalo, NY 5/24/16 - 5/27/16.

Co-organizer (with Jeff Good), *The New Field Methods* workshop at University at Buffalo, Department of Linguistics, 4/24/15.

Colloquium organizer, Department of Linguistics, University at Buffalo, 2015 - present.

### External

Reviewer: *Journal of the Acoustical Society of America*, *Journal of Phonetics*, *International Journal of American Linguistics*, *Phonology*, *Language Documentation and Conservation*, *Journal of East Asian Linguistics*, *Journées d'études sur la Parole*, *Interspeech*, *Linguistics and Language Compass*, *Phonetica*, *International Journal of Audiology*, *Proceedings of the 27th Annual West Coast Conference on Formal Linguistics (WC-CFL)*.

Member of organizing committee, *The 15<sup>th</sup> Meeting on Laboratory Phonology (Labphon 15)*, held at Cornell University, 7/13/16 - 7/16/16.

August 2015. Discussant, special session on *Voice Quality and Phonation* at the 18<sup>th</sup> International Congress of Phonetic Sciences, Glasgow, UK.

June 2014. Lecturer/Organizer, Taller sobre tonos para linguistas y hablantes de lenguas de Mesoamérica in Oaxaca, Mexico. (Workshop on tone for linguists and speakers of Mesoamerican languages)

June 2013. Lecturer/Organizer, Convocatoria de tono y morfología: construyendo el léxico en las lenguas oto-



mangues in Oaxaca, Mexico. (Workshop on tone and morphology: constructing a lexicon of Oto-Manguean languages)

2013. Co-organizer (with Benjamin Munson, University of Minnesota), *Mixed Effects Modeling: Applications and Practice in Speech Research*. Special session at the Acoustical Society of America Annual Meeting, Montréal, Canada

June 2012. Lecturer/Organizer, Primer taller sobre tonos para lingüistas y hablantes de lenguas de Mesoamérica in Oaxaca, Mexico. (First workshop on tone for linguists and speakers of Mesoamerican languages)

2012. Session chair at Interspeech-2012, Portland, Oregon.

2008. Mentor, Breath of Life Workshop for California Indian Languages, University of California, Berkeley.

2006. Member, Organizational Committee for Endangered Languages, Endangered Sounds: Conference in Honor of Ian Maddieson. University of California, Berkeley.

2004. Member, Organizational Committee, 4<sup>th</sup> Society for Indigenous Languages and Culture. University of California, Berkeley.

2003–2005. Member, Organizational Committee, 29<sup>th</sup> - 31<sup>st</sup> Annual Berkeley Linguistics Society, UC Berkeley.

## Professional Affiliations

Linguistic Society of America

Society for the Study of the Indigenous Languages of the Americas

Acoustical Society of America

## Linguistic Fieldwork

2014	Apoala Mixtec (Otomanguean)	UT Arlington, Texas
2012-2015	Arapaho (Algonquian)	Riverton, Wyoming
2010-present	Yoloxóchitl Mixtec (Otomanguean)	Oaxaca, Mexico
2010	Quetzalapa Chinantec (Otomanguean)	Oaxaca, Mexico
2009-present	Santa María Ixcatlán Ixcatec (Otomanguean)	Oaxaca, Mexico
2004-present	San Martín Itunyoso Trique (Otomanguean)	Oaxaca, Mexico; California
2005	Takhian Thong Chong (Austroasiatic)	Chanthaburi State, Thailand
2004-05	Kuki-Thaadow (Tibeto-Burman)	Berkeley, CA
2001	Yojóvi Zapotec (Otomanguean)	Oaxaca, Mexico

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