

## **Bodo Winter**

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Lecturer in Cognitive Linguistics  
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### **ACADEMIC APPOINTMENTS**

**University of Birmingham, UK**, Dept. of English Language and Applied Linguistics 2016-  
Lecturer in Cognitive Linguistics (UK assistant professor)

### **OTHER POSITIONS**

*Language & Cognition* 2017-  
General Editor

Prominence in Language Collaborative Research Centre, University of Cologne 2017-  
Mercator Fellow (Sonderforschungsbereich)

### **EDUCATION**

**University of California, Merced**, Cognitive & Information Sciences 2011-2016  
Ph.D.

**Max Planck Institute for Evolutionary Anthropology**, Dept. of Linguistics 2010-2011  
Doctoral fellow

**University of Hawai'i at Mānoa**, Dept. of Linguistics 2009-2010  
M.A., awarded: May 2010

**University of Cologne**, Dept. of General Linguistics (major) 2006-2009  
Magister

## BOOKS

**Winter, B.** (submitted). Sensory linguistics: Language, perception and metaphor.

## JOURNAL PAPERS

### In preparation

Idemaru, K., **Winter, B.**, Oh, G. & Brown, L. (in prep.). Loudness trumps pitch in determining politeness judgments.

**Winter, B.**, Perlman, M., & Matlock, T. (in prep.). Tiny numbers are actual tiny: Evidence from the TV News Archive.

**Winter, B.**, Perlman, M., Sóskuthy, M., & Dingemanse, M. (in prep.). R is for rough: Iconicity for touch concepts.

**Winter, B.**, & Wedel, A. (in prep.). Languages prefer robust phonemes.

**Winter, B.**, & Yoshimi, J. (in prep.). Metaphor and the philosophical implications of embodied mathematics.

**Winter, B.**, Brown, L., & Pérez-Sobrino, P. (in prep.). Using sound symbolism to trigger multisensory associations in advertising: The case of softer soju.

### Submitted

**Winter, B.**, Perlman, M., & Majid, A. (submitted). Vision dominates in perceptual language: English sensory vocabulary is optimized for usage. *Cognition*.

Hassemer, J., & **Winter, B.** (submitted). Decoding gestural iconicity. *Cognitive Science*.

**Winter, B.** (submitted). Quantifying semantic prosody: Sensory words in online reviews and Shakespeare. *Corpus Linguistics and Linguistics Theory*.

Baumann, S., & **Winter, B.** (revise & resubmit). What makes a word prominent? Predicting untrained listeners' prominence judgments. *Journal of Phonetics*.

### In press

Strik Lievers, F. & **Winter, B.** (in press). Sensory language across lexical categories. *Lingua*.

**Winter, B.**, Daguna, J., & Matlock, T. (in press). Metaphor-enriched social cognition and a possible role for spatial bias in courtrooms. *Metaphor and the Social World*.

Brown, L., & **Winter, B.** (in press). Multimodal indexicality in Korean: "Doing deference" and "performing intimacy" through nonverbal behavior. *Journal of Politeness Research*.

### Published manuscripts

- Winter, B.,** Perlman, M., Perry, L. K., & Lupyan, G. (2017). Which words are most iconic? Iconicity in English sensory words. *Interaction Studies, 18*(3), 433-454.
- Perry, L. K., Perlman, M., **Winter, B.,** Massaro, D. W., & Lupyan, G. (2017). Iconicity in the speech of children and adults. *Developmental Science, e12572*.
- Kettig, T., & **Winter, B.** (2017). Producing and perceiving the Canadian Vowel Shift: Evidence from a Montreal community. *Language Variation and Change, 29*(1), 79-100.
- Winter, B.** (2016). Taste and smell words form an affectively loaded part of the English lexicon. *Language, Cognition and Neuroscience, 31*(8), 975-988.
- Hassemer, J., & **Winter, B.** (2016). Producing and perceiving gestures conveying height or shape. *Gesture, 15*(3), 404-424.
- Winter, B.,** & Wedel, A. (2016). The co-evolution of speech and the lexicon: The interaction of functional pressures, redundancy and category variation. *Topics in Cognitive Science, 8*(2), 503-513.
- Winter, B.,** & Wieling, M. (2016). How to analyze linguistic change using mixed models, Growth Curve Analysis and Generalized Additive Modeling. *Journal of Language Evolution, 1*(1), 7-18.
- Winter, B.,** & Wedel, A. (2016). Commentary: Desiccation and tone within linguistic theory and language contact research. *Journal of Language Evolution, 1*(1), 80-82.
- Winter, B.,** & Matlock, T., Shaki, S., & Fischer, M. (2015). Mental number space in three dimensions. *Neuroscience and Biobehavioral Reviews, 57*, 209-219.
- Mason, P., Dominguez, D., J.F., **Winter, B.,** & Grignolio, A. (2015). Hidden in plain view: Degeneracy in complex systems. *BioSystems, 128*, 1-8.
- Winter, B.,** & Marghetis, T., & Matlock, T. (2015). Of magnitudes and metaphors: Explaining cognitive interactions between space, time and number. *Cortex, 64*, 209-224.
- Winter, B.** (2014). Spoken language achieves robustness and evolvability by exploiting degeneracy and neutrality. *BioEssays, 36*(10), 960-967.
- Winter, B.** (2014). Horror movies and the cognitive ecology of primary metaphors. *Metaphor & Symbol, 29*(3), 151-170.
- Brown, L., **Winter, B.,** Idemaru, K., & Grawunder, S. (2014). Phonetics and politeness: Perceiving Korean honorific and non-honorific speech through phonetic cues. *Journal of Pragmatics, 66*, 45-60.
- Huette, S., **Winter, B.,** Matlock, T., Ardell, D. H., & Spivey, M. H. (2014). Eye movements during listening reveal spontaneous grammatical processing. *Frontiers in Psychology, 5*(410), 1-7.
- Röttger, T., **Winter, B.,** Grawunder, S., Kirby, J., & Grice, M. (2014). Assessing the incomplete neutralization of final devoicing in German. *Journal of Phonetics, 43*, 11-25.
- Winter, B.,** Perlman, M., & Matlock, T. (2014). Using space to talk and gesture about numbers: Evidence from the TV News Archive. *Gesture, 13*(3), 377-408.
- Bentz, C., & **Winter, B.** (2013). Languages with more second language learners tend to lose nominal case. *Language Dynamics & Change, 3*(1), 1-27.
- Lancia, L., & **Winter, B.** (2013). The interaction between competition, learning and habituation dynamics in speech perception. *Laboratory Phonology, 4*(1), 221-257.

- Winter, B.,** & Matlock, T. (2013). Making judgments based on similarity and proximity. *Metaphor & Symbol, 28*(4), 219-232.
- Huette, S., **Winter, B.,** Matlock, T., & Spivey, M. J. (2012). Processing motion implied in language: eye-movement differences during aspect comprehension. *Cognitive Processing, 13*(1), 193-197.
- Winter, B.,** & Bergen, B. (2012). Language comprehenders represent object distance both visually and auditorily: evidence for the immersed experienter view. *Language and Cognition, 4*(1), 1-16.
- Winter, B.,** & Grawunder, S. (2012). The phonetic profile of Korean formality. *Journal of Phonetics, 40*(6), 808-815.
- Winter, B.** (2010). A note on the higher phylogeny of Austronesian. *Oceanic Linguistics, 49*(1), 282-287.

## BOOK CHAPTERS, PROCEEDINGS PAPERS, ONLINE PUBLICATIONS

- Winter, B.** (revise & resubmit). Synesthetic metaphors are neither synesthetic nor metaphorical. In L. Speed, L. San Roque & A. Majid (Eds.), *Perception Metaphor*. Amsterdam: John Benjamins.
- Winter, B.** & Matlock, T. (2017). Primary metaphors are both cultural and embodied. In B. Hampe (Ed.), *Metaphor: Embodied Cognition and Discourse*. Cambridge, UK: Cambridge University Press.
- Winter, B.** (2015). The other N: The role of repetitions and items in the design of phonetic experiments. In The Scottish Consortium for ICPhS 2015 (Ed.), *Proceedings of the 18th International Congress of Phonetic Sciences* (paper number 0181.1-4). Glasgow, UK: The University of Glasgow. [retrieved from <http://www.icphs2015.info/pdfs/Papers/ICPHS0181.pdf>]
- Winter, B.,** & Wedel, A. (2015). Simulating the interaction of functional pressures, redundancy and category variation in phonetic systems. In H. Little (Ed.), *Proceedings of the Satellite Meeting: The Evolution of Phonetic Capabilities* (pp. 25-29). Glasgow, UK: The University of Glasgow. [retrieved from <https://ai.vub.ac.be/sites/default/files/proceedingsfinal.pdf>]
- Idemaru, K., **Winter, B.,** & Brown, L. (2015). The role of pitch in perceiving politeness in Korean. In The Scottish Consortium for ICPhS 2015 (Ed.), *Proceedings of the 18th International Congress of Phonetic Sciences* (paper number 0214.1-4). Glasgow, UK: The University of Glasgow. [retrieved from <http://www.icphs2015.info/pdfs/Papers/ICPHS0214.pdf>]
- Matlock, T., & **Winter, B.** (2015). Experimental semantics. In B. Heine & H. Narrog (Eds.), *Oxford Handbook of Linguistic Analysis* (pp. 771-790). Oxford: Oxford University Press.
- Falke, J., **Winter, B.,** & Spivey, M. J. (2013). Candle-candle-candle-candy: Continuous attraction towards previously seen phonological competitors. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 2261-2266). Austin, TX: Cognitive Science Society.
- Winter, B.** (2013). Linear models and linear mixed effects models in R with linguistic applications. *arXiv:1308.5499*.
- Winter, B.,** & Matlock, T. (2013). Creativity and the sensorimotor grounding of mathematics. In M. Borkent, M. Dancygier, & J. Hinnell (Eds.), *Language and the Creative Mind* (pp. 37-48). Stanford, CA: CSLI Publications.
- Winter, B.,** & Matlock, T. (2013). More is up... and right: Random number generation along two axes. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual*

*Conference of the Cognitive Science Society* (pp. 3789-3974). Austin, TX: Cognitive Science Society.

- Winter, B.**, Thompson, G., & Urban, M. (2013). Cognitive factors motivating the evolution of word meanings: Evidence from corpora, behavioral data and encyclopedic network structure. In E. A. Cartmill, S. Roberts, H. Lyn, & H. Cornish (Eds.), *10th International Conference on the Evolution of Language* (pp. 353-360). Hackensack, NJ: World Scientific.
- Bentz, C., & **Winter, B.** (2012). The impact of L2 speakers on the evolution of case marking. In T. C. Scott-Phillips, M. Tamariz, E. A. Cartmill, & J. R. Hurford (Eds.), *Proceedings of the 9th International Conference on the Evolution of Language* (pp. 58-63). Hackensack, NJ: World Scientific.
- Winter, B.**, & Christiansen, M. H. (2012). Robustness as a design feature of speech communication. In T. C. Scott-Phillips, M. Tamariz, E. A. Cartmill, & J. R. Hurford (Eds.), *Proceedings of the 9th International Conference on the Evolution of Language* (pp. 384-391). Hackensack, NJ: World Scientific.
- Aralova, N., Grawunder, S., & **Winter, B.** (2011). The acoustic correlates of tongue root vowel harmony in Even (Tungusic). In W.-S. Lee, & E. Zee (Eds.), *Proceedings of the 17<sup>th</sup> International Congress of Phonetic Science* (pp. 240-243). Hong Kong: City University of Hong Kong.
- Grawunder, S., **Winter, B.**, & Atoyebi, J. (2011). Voicing of labiovelar stops in Yoruba. In W.-S. Lee, & E. Zee (Eds.), *Proceedings of the 17th International Congress of Phonetic Science* (pp. 767-770). Hong Kong: City University of Hong Kong.
- Röttger, T., **Winter, B.**, & Grawunder, S. (2011). The robustness of incomplete neutralization in German. In W.-S. Lee, & E. Zee (Eds.), *Proceedings of the 17th International Congress of Phonetic Science* (pp. 1722-1725). Hong Kong: City University of Hong Kong.
- Winter, B.** (2011). Pseudoreplication in phonetic research. In W.-S. Lee, & E. Zee (Eds.), *Proceedings of the 17th International Congress of Phonetic Science* (pp. 2137-2140). Hong Kong: City University of Hong Kong.
- Winter, B.**, & Grawunder, S. (2011). The polite voice in Korean: searching for acoustic correlates of *contaymal* and *panmal*. In H.-M. Sohn, H. M. Cook, W. O'Grady, L. A. Serafim, & S.-Y. Cheon (Eds.), *Japanese/Korean Linguistics 19* (pp. 419-431). Stanford: CSLI.
- Winter, B.** & Röttger, T. (2011). The nature of incomplete neutralization: Implications for laboratory phonology. *Grazer Linguistische Studien*, 76, 55-74.
- Grama, J., & **Winter, B.** (2010). The duality of a homosexual epithet in sports. *Proceedings of the Annual Language, Linguistics and Literature Graduate Student Conference*. Honolulu, April 2011.
- Grawunder, S., & **Winter, B.** (2010). Acoustic correlates of politeness: prosodic and voice quality measures in polite and informal speech of Korean and German speakers. *Speech Prosody 2010*, 100316, 1-4. [retrieved from <http://speechprosody2010.illinois.edu/papers/100316.pdf>]
- Winter, B.** (2010). The moving target argument and the speed of evolution. In: Smith, A.D., Schouwstra, M., de Boer, B., & Smith, K. (Eds.), *Proceedings of the 8th International Conference on the Evolution of Language* (pp. 352-359). Hackensack, NJ: World Scientific.
- Winter, B.**, & Grawunder, S. (2009). The physics of politeness: Approaching Korean politeness from a phonetic perspective. *Proceedings of the 24th Conference of the Association for Korean Studies in Europe*. Leiden, June 2009.

## BOOK REVIEWS

Winter, B. (2015). Review of James J. Mischler III. 2014. Metaphor across Time and Conceptual Space: The interplay of embodiment and cultural models. *Cognitive Linguistics*, 26, 155-160.

## INVITED TALKS / COLLOQUIUM TALKS

- The 25<sup>th</sup> Annual Korea TESOL International Conference**, Sookmyung Women's University
- A manifesto for open reproducible linguistics (*Invited speaker*) 2017
  - The sweet stink of language: The sensory structure of the English lexicon (*Invited speaker*) 2017
- Key Questions and New Methods in the Language Sciences**, MPI for Psycholinguistics
- A manifesto for norms (*Invited speaker*) 2017
- University of Erfurt**, Anglistische Sprachwissenschaft
- Language and the senses: Rethinking synesthetic metaphors 2017
- University of Warwick**, Department of Psychology
- How arbitrary is English? 2017
- Aston University**, School of Language and Social Sciences
- How arbitrary is English? 2017
- University of Birmingham**, Dept. of English Language and Applied Linguistics
- How arbitrary is English? 2017
- University of Manchester**, Dept. of Linguistics and English Language
- The tasty smelly side of language: A quantitative study of English sensory adjectives 2016
- Konkuk University**, Dept. of English Language & Literature
- Language-induced mental simulation: Distance, grammar, and the senses 2016
- University of York**, Dept. of Language and Linguistics Science
- The tasty smelly side of language: A quantitative study of English sensory adjectives 2016
- Northumbria University**, Dept. of Humanities Linguistics
- The tasty smelly side of language: A quantitative study of English sensory adjectives 2016
- Lancaster University**, Dept. of Linguistics and English Language
- The tasty smelly side of language: A quantitative study of English sensory adjectives 2016
- Perception Metaphor Workshop**, Nijmegen Center for Language Studies
- Rethinking synesthetic metaphors (*Invited speaker*) 2016
- University of Cologne**, Institute of Phonetics
- Sensory dynamics of the English lexicon 2015
- Center for Language Studies**, Nijmegen
- Sensory structure of the English lexicon 2015
- University of Zurich**, Zurich Center for Linguistics
- Sensory structure of the English lexicon 2015
- University of Edinburgh**, Language Evolution and Computation Research Unit
- Patterns of polysemy: A quantitative study of the evolution of word meaning 2015
- Stanford**, Department of Linguistics
- Narrowing the gap between theory and design for phonetic experiments 2015

<b>University of Oregon</b> , East Asian Studies & Literatures	
- Linguistic politeness in Korean: Phonetics and multimodality	2014
<b>Vrije Universiteit Brussel</b> , Artificial Intelligence Lab	
- Lexical structure reflects conceptual structure	2014
<b>University of Cologne</b> , Cologne Center of Language Sciences (co-presented with Doris Mücke)	
- Dynamic structuring in language and communication: The many meanings of dynamic	2014
<b>University of California, Berkeley</b> , CogNetwork Colloquium Series	
- Metaphor and math: Talking, gesturing and thinking about numbers in terms of space	2014
<b>University of California, Berkeley</b> , Phorum Colloquium Series	
- Categorical perception is not that categorical	2013
<b>University of Arizona</b> , Dept. of Linguistics	
- Categorical perception is not that categorical	2013
<b>RWTH Aachen University</b> , HumTec, Natural Media and Engineering Group	
- Recent experimental approaches to Conceptual Metaphor Theory	2012
<b>Max Planck Institute for Evolutionary Anthropology</b> , Dept. of Linguistics	
- Languages with many second language speakers tend to have reduced case systems	2012
<b>University of Cologne</b> , Dept. of General Linguistics	
- Languages with many second language speakers tend to have reduced case systems	2012
<b>RWTH Aachen University</b> , HumTec, Natural Media and Engineering Group	
- Recent topics in simulation semantics	2011
<b>Max Planck Institute for Evolutionary Anthropology</b> , Dept. of Linguistics	
- Voicing of labiovelar /gb/ and /kp/ in Yoruba ( <b>Poster presentation</b> )	2011
<b>Max Planck Institute for Evolutionary Anthropology</b> , Dept. of Linguistics	
- The phonetic profile of Korean politeness	2010
- Robustness as a design feature of language	2010
<b>University of Cologne</b> , Institute of Phonetics	
- Robustness as a design principle of phonetic systems	2012
- The nature of incomplete neutralization in German	2011

## PEER-REVIEWED CONFERENCE TALKS

- Brown, L., & Winter, B. (2017). "Doing Deference" through Nonverbal Behavior in Korean. *15 International Pragmatics Conference*. Belfast, Ireland, July 2017.
- Winter, B. (2017). The continuity of the senses: Using modality norms to study perceptual language. *The 14th International Cognitive Linguistics Conference*. Tartu, Estonia, July 2017.
- Strik-Lievers, F., & Winter, B. (2017). Sensory language across lexical categories. *The 14th International Cognitive Linguistics Conference*. Tartu, Estonia, July 2017.
- Winter, B. (2017). English taste and smell adjectives as generalized emotional vocabulary. *9th International Corpus Linguistics Conference*. Birmingham, UK, July 2017.
- Winter, B. (2017). Using taste and smell words to perform evaluation across domains. *Researching and Applying Metaphor 6th Specialized Seminar: Ecological Cognition and Metaphor*. Odense, Denmark, May 2017.

- Winter, B.** (2017). Synesthetic metaphors are neither synesthetic nor metaphorical. *3rd Symposium on Figurative Language and Thought*. Osijek, Croatia, April 2017.
- Winter, B.** (2017). 'r' is for rough: Relative and absolute iconicity for touch concepts in English. *11th International Symposium on Iconicity in Language and Literature*. Brighton, UK, April 2017.
- Winter, B.,** Perlman, M., Perry, L. & Lupyan, G. (2017). Which words are the most iconic? Characterizing the distribution of iconicity in English. *11th International Symposium on Iconicity in Language and Literature*. Brighton, UK, April 2017.
- Winter, B.,** & Hassemer, J. (2017). Profiling iconicity: Selective depiction in height and shape gestures. *11th International Symposium on Iconicity in Language and Literature*. Brighton, UK, April 2017.
- Winter, B.,** & Hassemer, J. (2017). Profiling iconicity: Producing and perceiving height and shape gestures. *iGesto '17 International Conference on Gesture and Multimodality*. Porto, Portugal, February 2017.
- Winter, B.** (2016). The structure of multimodality: A new look at the synesthetic metaphor hierarchy. *11th International Conference on Researching and Applying Metaphor*. Berlin, German, July 2016.
- Masterson, A., **Winter, B.,** & Matlock, M. (2016a). Spatial metaphors underlie gesture in musical conducting. *11th International Conference on Researching and Applying Metaphor*. Berlin, Germany, July 2016.
- Masterson, A., **Winter, B.,** & Matlock, M. (2016b). Spatial metaphors in conducting gestures. *7th Conference of the International Society for Gesture Studies*. Paris, France, July 2016.
- Hassemer, J., & **Winter, B.** (2016). Height and shape gestures: Profiling different surface areas in competing gesture interpretations. *7th Conference of the International Society for Gesture Studies*. Paris, France, July 2016.
- Winter, B.,** Perry, L., Perlman, M., & Lupyan, G. (2016). The structure of iconicity in the English lexicon. *11th International Conference on the Evolution of Language*. New Orleans, LA, USA, March 2016.
- Perry, L. K., Perlman, M., Lupyan, G., **Winter, B.,** & Massaro, D. W. (2016). Early learned words are more iconic. *11th International Conference on the Evolution of Language*. New Orleans, LA, USA, March 2016.
- Ardell, D. H., Anderson, N. M., & **Winter, B.** (2016). Noise in phonology affects encoding strategies in morphology. *11th International Conference on the Evolution of Language*. New Orleans, LA, USA, March 2016.
- Janssen, R., Roberts, S., Dediu, D., Moisik, S. R., & **Winter, B.** (2016). Nonlinear biases in articulation constrain the design space of language. *11th International Conference on the Evolution of Language*. New Orleans, LA, USA, March 2016.
- Wedel, A., & **Winter, B.** (2016). Languages prefer robust phonemes. *11th International Conference on the Evolution of Language*. New Orleans, LA, USA, March 2016.
- Perry, L. K., Perlman, M., **Winter, B.,** Lupyan, G., & Massaro, D.W. (2016). Early-learned words sound like what they mean. *International Conference on Infant Studies*. New Orleans, LA, USA, May 2016.
- Winter, B.,** Perlman, M., & Matlock, T. (2015). Gesture space corresponds to mental number space: Evidence from “tiny” and “low” numbers. *6th International Conference on Spatial Cognition*. Rome, Italy, September 2015.



- Idemaru, J., **Winter, B.**, & Brown, L. (2015). The role of pitch in perceiving politeness in Korean. *18th International Congress of Phonetic Sciences*. Glasgow, UK, August 2015.
- Winter, B.**, & Wedel, A. (2015). Simulating the interaction of functional pressures, redundancy and category variation in phonetic systems. *18th International Congress of Phonetic Sciences: Satellite meeting "The evolution of phonetic capabilities: Causes, constraints and consequences."* Glasgow, UK, August 2015.
- Kettig, B., & **Winter, B.** (2015). Production and perception asymmetries in the Canadian vowel shift. *6th Tutorial and Research Workshop on Experimental Linguistics*. Athens, Greece, June 2015.
- Brown, L., **Winter, B.**, Idemaru, K., & Grawunder, S. (2015). The sound of honorific language: How speech indexes social meaning in Korean, Japanese, German and Russian. *14<sup>th</sup> International Pragmatics Conference*. Antwerp, Belgium, July 2015.
- Baumann, S., & **Winter, B.** (2015). Comparing prosodic and non-prosodic factors in naïve listeners' prominence judgments. *Phonetics and Phonology in Europe*. Cambridge, UK, June 2015.
- Winter, B.**, Ardell, D., & Urban, M. (2014). Polysemy, language use and directionality in semantic change. *12th Conceptual Structure, Discourse, and Language Conference*. Santa Barbara, CA, USA, November 2014.
- Daguna, J., & **Winter, B.** (2014). Metaphor & social distance: The conceptual structure of courtroom design. *12th Conceptual Structure, Discourse, and Language Conference*. Santa Barbara, CA, USA, November 2014.
- Matlock, T., & **Winter, B.** (2014). Space in primary metaphors. Satellite workshop "Metaphor: From embodied cognition to discourse." *10th International Conference on Researching and Applying Metaphor*. Cagliari, Italy, June 2014.
- Winter, B.** (2014). Horror movies and the cognitive ecology of primary metaphors. *10th International Conference on Researching and Applying Metaphor*. Cagliari, Italy, June 2014.
- Winter, B.**, Ardell, D., & Urban, M. (2014). Polysemy, language use and directionality in semantic change. *12th Conceptual Structure, Discourse, and Language Conference (CSDL)*. Santa Barbara, CA, USA, November 2014.
- Winter, B.**, Daguna, J., & Matlock, T. (2014). How embodied metaphors of social distance may affect courtroom decisions. *7th Embodied and Situated Language Processing Conference*. Rotterdam, Netherlands, August 2014.
- Winter, B.**, Perlman, M., & Matlock, T. (2014). Tiny numbers are actually tiny: Precision grips map onto implied quantity. *6th Conference of the International Society for Gesture Studies*. San Diego, CA, USA, July 2014.
- Winter, B.**, Thompson, G., & Urban, M. (2014). Cognitive factors motivating the evolution of word meanings: Evidence from corpora, behavioral data and encyclopedic network structure. *10th International Conference on the Evolution of Language*. Vienna, Austria, April 2014.
- Winter, B.** (2014). Neutral spaces and the evolvability of spoken language. *10th International Conference on the Evolution of Language: Satellite workshop on evolution of signals, speech and signs*. Vienna, Austria, April 2014.
- Falke, J., **Winter, B.**, & Spivey, M. J. (2013). Candle-candle-candle-candy: Continuous attraction towards previously seen phonological competitors. *2nd Cognition and Language Workshop*. Santa Barbara, CA, USA, September 2013.

- Winter, B.,** Perlman, M., & Matlock, T. (2013). How do people talk and gesture about numbers?: Evidence from TV News Casts. *6th Embodied and Situated Language Processing Conference*. Potsdam, Germany, August 2013.
- Coe, C., & **Winter, B.** (2013). ARGUMENT IS WAR metaphors in current politics. *12th International Cognitive Linguistics Conference*. Edmonton, Canada, July 2013.
- Winter, B.,** & Matlock, T. (2013). Testing SIMILARITY IS PROXIMITY in realistic reasoning situations. *12th International Cognitive Linguistics Conference*. Edmonton, Canada, July 2013.
- Bentz, C., & **Winter, B.** (2012). The impact of L2 speakers on the evolution of case marking. *9th International Conference on the Evolution of Language*. Kyoto, Japan, March 2012.
- Winter, B.,** & Christiansen, M. (2012). Robustness as a design feature of speech communication. *9th International Conference on the Evolution of Language*. Kyoto, Japan, March 2012.
- Winter, B.,** & Matlock, T. (2012). More is bigger: Physical size in mental arithmetic. *11th Conceptual Structure, Discourse, and Language Conference (CSDL)*. Vancouver, Canada, May 2012.
- Aralova, N., Grawunder, S., & **Winter, B.** (2011). The acoustic correlates of tongue root vowel harmony in Even (Tungusic). *International Congress of Phonetic Science*. Hong Kong, August 2011.
- Grawunder, S., **Winter, B.,** & Atoyebi, J. (2011). Voicing of labiovelar stops in Yoruba. *International Congress of Phonetic Science*. Hong Kong, August 2011.
- Röttger, T., **Winter, B.,** & Grawunder, S. (2011). The robustness of incomplete neutralization in German. *International Congress of Phonetic Science*. Hong Kong, August 2011.
- Winter, B.** (2011). Pseudoreplication in phonetic research. *International Congress of Phonetic Science*. Hong Kong, August 2011.
- Huette, S., **Winter, B.,** Matlock, T., & Spivey, M. J. (2011). Spatiotemporal fixation differences on a blank screen during aspect comprehension. *CUNY Conference on Human Sentence Processing*. Stanford, CA, USA, March 2011.
- Grama, J., & **Winter, B.** (2010). The duality of a homosexual epithet in sports. *The Annual Language, Linguistics and Literature Graduate Student Conference*. University of Hawai'i at Manoa, Honolulu, HI, USA, April 2010.
- Winter, B.** (2010). The moving target argument and the speed of evolution. *8th International Conference on the Evolution of Language*. Utrecht, Netherlands, April 2010.
- Winter, B.,** & Grawunder, S. (2010). The Frequency Code revisited: Are the universalist claims substantiated? *Conference on Phonetic Universals*. Leipzig, Germany, October 2010.
- Winter, B.,** & Grawunder, S. (2009). The polite voice in Korean: Searching for acoustic correlates of *contaymal* and *panmal*. *19th Japanese/Korean linguistics conference*. Honolulu, HI, USA, November 2009.
- Winter, B.,** & Grawunder, S. (2009). The physics of politeness: Approaching Korean politeness from a phonetic perspective. *24th Conference of the Association for Korean Studies in Europe*. Leiden, Netherlands, June 2009.
- Winter, B.,** & Grawunder, S. (2009). The physics of politeness: Approaching Korean politeness from a phonetic perspective. *31. Jahrestagung der Deutschen Gesellschaft für Sprachwissenschaft*. Osnabrück, Germany, March 2009.



## PEER-REVIEWED CONFERENCE POSTERS

- Winter, B.,** & Sóskuthy, M., & Perlman, M. (2017). R is for rough: Iconicity in English and Hungarian surface descriptors. *Types of iconicity in language use, development, and processing*. MPI Nijmegen, Netherlands, July 2017.
- Winter, B.,** & Sóskuthy, M., & Perlman, M. (2017). R is for rough: Sound symbolism for English touch concepts. *Second Phonetics and Phonology in Europe*. Cologne, Germany, June 2017.
- Idemaru, K., **Winter, B.,** Brown, L. & Oh, G. (2017). Loudness trumps pitch in politeness judgments: Evidence from Korean. *173rd Meeting of the Acoustical Society of America*. Boston, MA, June 2017.
- Perry, L., Perlman, M., **Winter, B.,** Lupyán, G., & Massaro, D. (2016). The role of iconicity in child-directed speech. *Boston University Conference on Language Development*. Boston, MA, November, 2016.
- Winter, B.,** & Ardell, D. (2016). Rethinking Zipf's frequency-meaning relationship: Implications for the evolution of word meaning. *11th International Conference on the Evolution of Language*. New Orleans, LA, USA, March 2016.
- Winter, B.** (2015). The other N: The role of repetitions and items in the design of phonetic experiments. *Proceedings of the 18th International Congress of Phonetic Sciences*. Glasgow, UK, August 2015.
- Winter, B.,** Perlman, M., & Matlock, T. (2015). "Tiny" and "low" numbers: Gestures in the TV News reflect mental number space. *37th Annual Cognitive Science Society Meeting*. Pasadena, CA, USA, July 2015.
- Coe, C., **Winter, B.,** & Matlock, T. (2014). How sticks and stones metaphorically break bones in presidential elections. *7th Embodied and Situated Language Processing Conference*. Rotterdam, Netherlands, August 2014.
- Matlock, T., Bergmann, T., Banks, C., Perlman, M., & **Winter, B.** (2014). The TV News Archive: An innovative new tool for gesture research. *6th Conference of the International Society for Gesture Studies*. San Diego, CA, USA, July 2014.
- Winter, B.** (2014). Speech is characterized by robustness, neutrality and evolvability. *10th International Conference on the Evolution of Language*. Vienna, Austria, April 2014.
- Winter, B.,** Thompson, G., & Urban, M. (2014). Synchronic reflections of the evolution of word meanings. *Nijmegen Lecture Series poster session*. Nijmegen, Netherlands, January 2014.
- Coe, C., & **Winter, B.,** Munroe, N., & Matlock, T. (2013). ARGUMENT IS WAR metaphors in current politics. *2nd Cognition and Language Workshop*. Santa Barbara, CA, USA, September 2013.
- Falke, J., **Winter, B.,** & Spivey, M. J. (2013). Candle-candle-candle-candy: Continuous attraction towards previously seen phonological competitors. *2nd Cognition and Language Workshop*. Santa Barbara, CA, USA, September 2013.
- Falke, J., **Winter, B.,** & Spivey, M. J. (2013). Candle-candle-candle-candy: Continuous attraction towards previously seen phonological competitors. *35th Annual Conference of the Cognitive Science Society*. Berlin, Germany, August 2008.
- Winter, B.,** Brown, L., Idemaru, K., & Grawunder, S. (2013). Perceiving politeness from speech acoustics alone: A cross-linguistic study on Korean and English. *166th Meeting of the Acoustical Society of America*. San Francisco, CA, USA, December 2013.

- Winter, B.** & Matlock, T. (2013). More is up... and right: Random number generation along two axes. *35th Annual Conference of the Cognitive Science Society*. Berlin, Germany, August 2008.
- Röttger, T., **Winter, B.**, Kirby, J., & Grice, M. (2012). Incomplete neutralization – a cognitive artifact of lexical co-activation? *Laboratory Phonology*. Stuttgart, Germany, July 2012.
- Grawunder, S., & **Winter, B.** (2010). Acoustic correlates of politeness: prosodic and voice quality measures in polite and informal speech of Korean and German speakers. *Speech Prosody*. Chicago, IL, USA, May 2010.
- Huette, S., **Winter, B.**, Matlock, T., & Spivey, M. J. (2010). The time course of perceptual simulation in the comprehension of aspect. *CSDL / ESLP*. San Diego, CA, USA, September 2010.
- Winter, B.**, & Grawunder, S. (2010). Finale Dehnung und Verzögerungssignale in koreanischen Höflichkeitsregistern. *P&P Phonetik und Phonologie*. Frankfurt, Germany, October 2010.
- Winter, B.**, & Bergen, B. (2010). Simulation of visual and auditory distance in sentence processing. *CUNY 2010, Conference on Human Sentence Processing*. New York, USA, March 2010.
- Winter, B.**, & Bergen, B. (2009). Language-driven mental simulation of distance. *15th Annual Conference on Architectures and Mechanisms for Language Processing*. Barcelona, Spain, September 2009.

## ADDITIONAL TRAINING

### **UC Davis**

- |   |      |
|---|------|
| Advanced Training Institute, Structural Equation Modeling | 2013 |
| Advanced Training Institute, Exploratory Data Mining      | 2013 |

### **University of Cincinnati**

- |  |      |
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| Advanced Training Institute, Nonlinear Methods | 2013 |
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### **University of Michigan**

- |   |      |
|---|------|
| Linguistic Society of America Institute | 2013 |
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### **University of Berkeley**

- |   |      |
|---|------|
| Linguistic Society of America Institute | 2013 |
|---|------|

### **Utrecht University**

- |                          |      |
|--------------------------|------|
| Linguistics Summerschool | 2009 |
|--------------------------|------|

### **University of Leipzig & Max Planck Institute for Evolutionary Anthropology**

- |                                       |      |
|---------------------------------------|------|
| Spring School in Linguistic Diversity | 2008 |
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## TEACHING

### **RWTH Aachen University**, Institut für Anglistik, Amerikanistik und Romanistik

- |  |      |
|--|------|
| - Generalized Linear Mixed Models (one-day workshop) | 2017 |
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### **University of Cologne**, Prominence in Language group (Sonderforschungsbereich)

- |  |      |
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| - Introductory statistics and linear models (two-day workshop) | 2017 |
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### **Newcastle University**, School of Education, Communication and Language Sciences

- |  |      |
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| - Generalized Linear Mixed Models (three-day workshop) | 2017 |
|--|------|

<b>University of Plymouth</b> , Dept. of Psychology	
- Generalized Linear Mixed Models (three-day workshop)	2017
<b>University of Birmingham</b> , Dept. of English Language and Applied Linguistics	
- Statistics for staff members	2017
- Lexical Semantics (BA module)	2017
- Language & Senses (MA module)	2017
- Psycholinguistics (BA module)	2016
- Language & Mind (BA module)	2016
<b>University of Stuttgart</b> , Expsy Group (Experimental Psycholinguistics Group) of SFB 732	
- Data munging with R (three-day workshop)	2017
- Generalized Linear Mixed Models for Linguists (three-day workshop)	2016
<b>Annual Meeting of the Linguistic Society of America Institute</b> , Washington D.C.	
- Statistical Methods using R (1 half-day workshop)	2016
<b>Linguistic Society of America Institute</b> , Summer school, Chicago	
- The Data Gold Rush: Exploiting freely available web data for linguistic research	2015
<b>University of California, Merced</b> , Cognitive & Information Sciences	
- Mathematical Cognition, Instructor of record (BA module)	2014
- Linear models and extensions with R (three-day workshop)	2015
- Linear models and extensions with R (three-day workshop)	2016
- Gesture, Instructor of record (BA module)	2016
- Metaphor & Thought, Teaching assistant (BA module)	2013
- Research Methods, Teaching assistant (BA module)	2013
- Metaphor & Thought, Teaching assistant (BA module)	2012
- Introduction to Language and Linguistics, Teaching assistant (BA module)	2012
- Introduction to Cognitive Science, Teaching assistant (BA module)	2011
<b>RWTH Aachen University</b> , Institut für Anglistik, Amerikanistik und Romanistik	
- Regression Modeling for Linguists (three-day workshop)	2014
<b>Vrije Universiteit Brussel</b> , Artificial Intelligence Lab	
- Linear Models and Mixed Models (two-day workshop)	2014
<b>University of Cologne</b> , Institut für deutsche Sprache und Literatur	
- Generalized Linear Mixed Models for Linguists (three-day workshop)	2013
- Regression Modeling for Linguists (four-day course)	2014
- Introduction to Statistics for Linguists (four-day course)	2014
- Introduction to Statistics for Linguists (four-day course)	2015
<b>University of Arizona</b> , Dept. of Linguistics	
- Generalized Linear Mixed Models for Linguists (three-day workshop)	2013
- Generalized Linear Mixed Models for Linguists (two-day workshop)	2016
<b>Aarhus University</b> , Dept. of Aesthetics and Communication	
- Generalized Linear Mixed Models (three-day workshop)	2013
<b>University of Cologne</b> , Institute of Phonetics	
- Generalized Linear Mixed Models for Phoneticians (three-day workshop)	2012
- Data Mining Experimental and Corpus Data (three-day workshop)	2014

- Dynamical Systems and Statistical Modeling of Trajectories (three-day workshop) 2014
- University of Cologne*, Dept. of General Linguistics
- Introduction to General Linguistics, Teaching assistant 2009

## ADVISING / SUPERVISION

- Amanda Masterson **Outcome:** see Masterson, Winter & Matlock (2016a, b)
- Chelsea Coe **Outcome:** see Coe & Winter (2013); Coe, Winter, Munroe & Matlock (2013)
- Joshua Daguna **Outcome:** see Winter, Daguna & Matlock (2013); Daguna & Winter (2014)
- Jesse Falke **Outcome:** see Falke, Winter & Spivey (2013)

## REVIEWING SERVICE

### Reviews for grants

*San Francisco State University (Facilitating Research and Creative Activities Program)*

### Reviews for journals

*Cognitive Science (5 times); PLOS ONE (4 times); Journal of Phonetics (4 times); Behavior Research Methods (3 times); Language & Cognition (2 times); Psychological Research (2 times); Cognitive Linguistics (2 times); Philosophical Transactions of the Royal Society B; Psychological Methods; Language Dynamics & Change; Acta Linguistica Hungarica; Journal of Cognitive Psychology; Journal of the International Phonetic Association; International Journal of Corpus Linguistics; Journal of Language Evolution; Journal of Experimental Psychology: Learning, Memory and Cognition; Discourse, Context & Media*

### Reviews for books

- Cambridge University Press, *Metaphor: Embodied Cognition and Discourse*
- Oxford University Press, *Experimental Approaches to the Evolution of Morphological Complexity*

### Reviews for conferences

*Corpus Linguistics 2017; Phonetics and Phonology in Europe 2017; 11<sup>th</sup> International Conference on the Evolution of Language; 37<sup>th</sup> Annual Conference of the Cognitive Science Society; 36<sup>th</sup> Annual Conference of the Cognitive Science Society; 12<sup>th</sup> Conceptual Structure, Discourse and Language; 5<sup>th</sup> Embodied Situated Language Processing; 10<sup>th</sup> International Conference on the Evolution of Language*

## EDITORIAL SERVICE

- General Editor *Language & Cognition*
- Guest Editor Special Issue: Emerging Data Analysis in Phonetics, *Journal of Phonetics*  
(co-edited with Timo Roettger, Harald Baayen)





## WORKSHOPS AND SYMPOSIA ORGANIZED

Statistical Methods in Phonetic Sciences, PaPE, Cologne 2017	2017
- co-organized with Timo Roettger (University of Cologne, Institute of Phonetics)	
How do numbers move mentally? The interplay between numerical cognition and multiple dimensions of space, ISCS, Rome 2017	2015
- co-organized with Luisa Lugli (Department of Philosophy and Communication)	

## GRANTS, PRIZES AND AWARDS

FTL Young Researchers' Award, Fourth Place	2017
UC Merced GradSLAM 2016 Finalist, Third Place	2016
UC Merced Graduate Dean's Dissertation Fellowship	2015
Korean Studies Grant 2015 (Competitive Research Grant) from The Academy of Korean Studies (AKS-2015-R24; Principal Investigator: Lucien Brown, University of Oregon)	2015
James R. Hurford Prize for the best student presentation at Evolang X, Vienna	2014
Linguistic Society of America Institute Fellowship	2013
American Psychological Association, Advanced Training Institute, Travel Grant	2013
UC Merced, Cognitive & Information Sciences, Summer Fellowship	2013
UC Merced, Outstanding Graduate Student Teaching Award	2012
Conceptual Structure in Discourse and Language Conference, Student Travel Support	2012
9th International Conference on the Evolution of Language, Student Travel Support	2012
UC Merced, Graduate Research Council, Travel Grant	2012
UC Merced, Graduate Research Council, Summer Fellowship	2012
UC Merced, Graduate Division, General Fellowship	2012
University of Hawai'i at Mānoa, Graduate Student Organization, Travel Grant	2010
Studienstiftung Deutsches Volk (German National Merit Foundation), Travel Grant #3	2010
University of Hawai'i at Mānoa, Dept. of Linguistics, Endowment Fund Fellowship	2010
Association of Korean Studies, Student Travel Grant	2009
Studienstiftung Deutsches Volk (German National Merit Foundation), Travel Grant #2	2009
Studienstiftung Deutsches Volk (German National Merit Foundation), Travel Grant #1	2009
ThyssenKrupp Technologies, External Funding for "Acoustic Correlates of Politeness"	2008
Studienstiftung Deutsches Volk (German National Merit Foundation), 5-year Scholarship	2007

## **ACADEMIC MEMBERSHIPS**

International Pragmatics Association	2014-present
Association for Research and Applying Metaphor	2014-present
International Society for Gesture Studies	2014-present
Association for Laboratory Phonology	2012-present
Gesellschaft für bedrohte Sprachen e.V. (Association for Endangered Languages)	2009-present
Linguistic Society of America	2012-2017
Sigma Xi Academic Research Society	2011-2016
American Psychological Association	2010-2016
Acoustical Society of America	2010-2016
Gesellschaft für Gebärdensprache und Kommunikation Gehörloser e.V. (Association of German Sign Language and Deaf Communication)	2009-2011