Bodo Winter

Associate Professor in Cognitive Linguistics, Editor-in-Chief at *Language & Cognition*, UKRI Future Leader Fellow

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Research and academic positions

Assoc. Prof., University of Birmingham, UK, Dept. of English Language and Linguistics	2016-present
UK Research and Innovation Future Leader Fellow	2021-present
Editor-in-Chief, Language and Cognition (Cambridge University Press)	2021-present
General Editor, Language and Cognition (Cambridge University Press)	2017-2021
Mercator Fellow, Collaborative Research Centre 'Prominence', University of Cologne	2017-present
Sapienza University of Rome Visiting Professorship	2021

Education

PhD, University of California, Merced, Cognitive & Information Sciences	2011-2016
Doctoral fellow, Max Planck Institute for Evolutionary Anthropology, Dept. of Linguistics	2010-2011
M.A. (awarded May 2010), University of Hawaiʻi at Mānoa, Dept. of Linguistics	2009-2010
Magister (not completed), University of Cologne, Dept. of General Linguistics (major)	2006-2009

Grants

UKRI Future Leaders Fellowship (£1.1 mio, MR/T040505/1)	2021

Books

Winter, B. (2019). *Sensory linguistics: Language, perception and metaphor*. Amsterdam: John Benjamins.

Winter, B. (2019). *Statistics for Linguists: An Introduction Using R*. London: Routledge.

Journal papers

Roemling, D., **Winter, B.**, & Grieve, J. (submitted). Visualizing map data for linguistics using ggplot2: A tutorial with examples from dialectology and typology. *Linguistics Vanguard*.

Winter, B. & Marghetis, T. (revise & resubmit). Multimodality matters in numerical communication. *Frontiers in Psychology*.

Winter, B., Perlman, M., Perry, L. K., Lupyan, G., & Dingemanse, M. (accepted). Iconicity ratings for 14,000+ English words. *Behavior Research Methods*. Preprint: https://osf.io/qvw6u/

Winter, B., Fischer, M. H., Scheepers, C., & Myachykov, A. (2023). More is better: English language statistics are biased towards addition. *Cognitive Science*, e13254. https://doi.org/10.1111/cogs.13254

Woodin, G., Grieve, J., Perlman, M., Littlemore, J., & **Winter, B.** (2023). Large-scale patterns of number use in spoken and written English. *Corpus Linguistics and Linguistic Theory*. https://doi.org/10.1515/cllt-2022-0082

Brown, L., Kim, H., Hübscher, I., & **Winter, B.** (2023). Gestures are modulated by social context: A study of multimodal politeness across two cultures. *Gesture*. https://doi.org/10.1075/gest.20034.bro

Winter, B. (2022). Abstract concepts and emotion: Cross-linguistic evidence and arguments against affective embodiment. *Philosophical Transactions of the Royal Society B*, 378: 20210368. https://doi.org/10.1098/rstb.2021.0368

Brown, L., Kim, H., & **Winter, B.** (2022). Is it polite to hiss?: Nonverbal sound objects as markers of (im)politeness in Korean. *Frontiers in Communication*, 7:854066, 1-17. https://doi.org/10.3389/fcomm.2022.854066

Roessig, S., **Winter, B.**, & Mücke, D. (2022). Tracing the phonetic space of prosodic focus marking. *Frontiers in Artificial Intelligence,* 5:842546, 1-24. https://doi.org/10.3389/frai.2022.842546

Winter, B., Sóskuthy, M., Perlman, M., & Dingemanse, M. (2022). Trilled /r/ is associated with roughness, linking sound and touch across spoken languages. *Nature: Scientific Reports*, 12:1. https://doi.org/10.1038/s41598-021-04311-7

Strik Lievers, F., Bolognesi, M., & **Winter, B.** (2021). The linguistic dimensions of concrete and abstract concepts: Lexical category, morphological structure, countability, and etymology. *Cognitive Linguistics*, 32:4, 641-670. https://doi.org/10.1515/cog-2021-0007

Woodin, G., **Winter, B.**, & Padilla, L. (2022). The effect of conceptual metaphors on the interpretation of data visualizations. *IEEE: Transactions on visualization and computer graphics*, 28:2, 1209-1221. https://doi.org/10.1109/TVCG.2021.3088343

Winter, B., & Bürkner, P. (2021). Poisson regression for linguists: A tutorial introduction to modeling count data with brms. *Language and Linguistics Compass*, 15:11, e12439, 1-23. https://doi.org/10.1111/lnc3.12439

Winter, B., Oh, G.-E., Hübscher, I., Idemaru, K., Brown, L., & Prieto, P. (2021). Rethinking the frequency code: A meta-analytic review of the role of acoustic body size in communicative phenomena. *Philosophical Transactions of the Royal Society B*, 376:1840(20200400), 1-13. https://doi.org/10.1098/rstb.2020.0400

Fischer, M. H., **Winter, B.**, Felisatti, A., Myachykov, A., Mende, M. A., & Shaki, S. (2021). Commentary: More instructions make fewer subtractions. *Frontiers in Psychology*, 12, 1-3. https://doi.org/10.3389/fpsyg.2021.720616

Ćwiek, A., Fuchs, S., Draxler, C., Asu, E. L., Dediu, D., Hiovain, K., Kawahara, S., Koutalidis, S., Krifka, M., Lippus, P., Lupyan, G., Oh, G. E., Paul, J., Petrone, C., Ridouane, R., Reiter, S., Schümchen, N., Szalontai, A., Ünal-Logacev, Ö., Zeller, J., **Winter, B.**, & Perlman, M. (2021). The bouba/kiki effect is robust across cultures and writing systems. *Philosophical Transactions of the Royal Society B*, 377:1841(20200390), 1-13. https://doi.org/10.1098/rstb.2020.0390

Ćwiek, A., Fuchs, S., Draxler, C., Asu, E. L., Dediu, D., Hiovain, K., Kawahara, S., Koutalidis, S., Krifka, M., Lippus, P., Lupyan, G., Oh, G. E., Paul, J., Petrone, C., Ridouane, R., Reiter, S., Schümchen, N., Szalontai, A., Ünal-Logacev, Ö., Zeller, J., **Winter, B.**, & Perlman, M. (2021). Novel vocalizations are understood across cultures. *Nature: Scientific Reports*, 11:1, 1-12. https://doi.org/10.1038/s41598-021-89445-4

Oh, E., **Winter, B.**, & Idemaru, K. (2021). Korean speakers hyperarticulate vowels in polite speech. *Phonetics and Speech Sciences* (말소리와 음성과학), 13:3, 15-20. http://doi.org/10.13064/KSSS.2021.13.3.015

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Kim, H., **Winter, B.**, & Brown, L. (2021). Beyond politeness markers: Multiple morphological and lexical differences index deferential meanings in Korean. *Journal of Pragmatics*, 182, 203-220. https://doi.org/10.1016/j.pragma.2021.06.006

Winter, B., & Grice, M. (2021). Independence and generalizability in linguistics. *Linguistics*, 59:5, 1251-1277. https://doi.org/10.1515/ling-2019-0049

Winter, B., & Perlman, M. (2021). Size sound symbolism in the English lexicon. *Glossa*, 6:1, 1-13. https://doi.org/10.5334/gjgl.1646

Winter, B., & Perlman, M. (2021). Iconicity ratings really do measure iconicity, and they open a new window onto the nature of language. *Linguistics Vanguard*, 7:1, 20200135. https://doi.org/10.1515/lingvan-2020-0135

Winter, B., & Yoshimi, J. (2020). Metaphor and the philosophical implications of embodied mathematics. *Frontiers in Psychology: Theoretical and Philosophical Psychology*, 11, 569487, 1-13. https://doi.org/10.3389/fpsyg.2020.569487

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Winter, B., & Duffy, S. (2020). Can co-speech gesture alone carry the mental time line? *Journal of Experimental Psychology: Learning, Memory & Cognition*, 46:9, 1768-1781. https://doi.org/10.1037/xlm0000836

Winter, B., Duffy, S. & Littlemore, J. (2020). Power, gender, and individual differences in spatial metaphor: The role of perceptual stereotypes and language statistics. *Metaphor & Symbol*, 35:3, 188-205. https://doi.org/10.1080/10926488.2020.1794319

Idemaru, K., **Winter, B.**, Oh, G. & Brown, L. (2020). Loudness trumps pitch in determining politeness judgments: Evidence from Korean deferential speech. *Language and Speech*, 63:1, 123-148. https://doi.org/10.1177/0023830918824344

Savino, M., **Winter, B.**, Bosco, A., & Grice, M. (2020). Intonation does aid serial recall after all. *Psychonomic Bulletin & Review*, 27:2, 366-372. https://doi.org/10.3758/s13423-019-01708-4

Winter, B., Pérez-Sobrino, P., & Brown, L. (2019). The sound of soft alcohol: Crossmodal associations between interjections and liquor. *PLoS ONE*, 4:8, e0220449, 1-17. https://doi.org/10.1371/journal.pone.0220449

Idemaru, K., **Winter, B.**, & Brown, L. (2019). Cross-cultural multimodal politeness: The phonetics of Japanese deferential speech in comparison to Korean. *Intercultural Pragmatics*, 16:5, 517-555. https://doi.org/10.1515/ip-2019-0027

Roettger, T. B., **Winter, B.**, & Baayen, H. (2019). Emergent data analysis in phonetic sciences: Towards pluralism and reproducibility. *Journal of Phonetics*, 73, 1-7. https://doi.org/10.1016/j.wocn.2018.12.001

Brown, L., & **Winter, B.** (2018). Multimodal indexicality in Korean: "Doing deference" and "performing intimacy" through nonverbal behavior. *Journal of Politeness Research*, 15:1, 25-54. https://doi.org/10.1515/pr-2016-0042

Hassemer, J., & **Winter, B.** (2018). Decoding gestural iconicity. *Cognitive Science*, 42:8, 3034-3049. https://doi.org/10.1111/cogs.12680

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Baumann, S., & **Winter, B**. (2018). What makes a word prominent? Predicting untrained listeners' prominence judgments. *Journal of Phonetics*, 70, 20-38. https://doi.org/10.1016/j.wocn.2018.05.004

Lupyan, G., & **Winter, B.** (2018). Language is more abstract than you think, or, why aren't languages more iconic? *Philosophical Transactions of the Royal Society B*, 373:1752(20170137), 1-11. https://doi.org/10.1098/rstb.2017.0137

Winter, B., Perlman, M., & Majid, A. (2018). Vision dominates in perceptual language: English sensory vocabulary is optimized for usage. *Cognition*, 179, 213-220. https://doi.org/10.1016/j.cognition.2018.05.008

Littlemore, J., Pérez Sobrino, P., Houghton, D., Shi, J., & **Winter, B.** (2018). What makes a good metaphor? A cross-cultural study of computer-generated metaphor appreciation. *Metaphor & Symbol*, *33*, 101-122. https://doi.org/10.1080/10926488.2018.1434944

Winter, B., Daguna, J., & Matlock, T. (2018). Metaphor-enriched social cognition and spatial bias in the courtroom. *Metaphor and the Social World*, 8:1, 81-99. https://doi.org/10.1075/msw.17001.win

Strik Lievers, F., & **Winter, B.** (2018). Sensory language across lexical categories. *Lingua*, 204, 45-61. https://doi.org/10.1016/j.lingua.2017.11.002

Perry, L. K., Perlman, M., **Winter, B.**, Massaro, D. W., & Lupyan, G. (2018). Iconicity in the speech of children and adults. *Developmental Science*, 21:e12572, 1-8. https://doi.org/10.1111/desc.12572

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. https://doi.org/10.1075/is.18.3.07win

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. https://doi.org/10.1017/S0954394517000023

Winter, B. (2016). Taste and smell words form an affectively loaded part of the English lexicon. *Language, Cognition and Neuroscience*, 31:8, 975-988. https://doi.org/10.1080/23273798.2016.1193619

Hassemer, J., & **Winter, B**. (2016). Producing and perceiving gestures conveying height or shape. *Gesture*, 15:3, 404-424. https://doi.org/10.1075/gest.15.3.07has

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. https://doi.org/10.1111/tops.12202

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. https://doi.org/10.1093/jole/lzv003

Winter, B., & Wedel, A. (2016). Commentary: Desiccation and tone within linguistic theory and language contact research. *Journal of Language Evolution*, 1:1, 80-82. https://doi.org/10.1093/jole/lzv010

Winter, B., & Matlock, T., Shaki, S., & Fischer, M. (2015). Mental number space in three dimensions. *Neuroscience and Biobehavioral Reviews*, 57, 209-219. https://doi.org/10.1016/j.neubiorev.2015.09.005

Mason, P., Dominguez, D., J.F., **Winter, B.**, & Grignolio, A. (2015). Hidden in plain view: Degeneracy in complex systems. *BioSystems,* 128, 1-8. https://doi.org/10.1016/j.biosystems.2014.12.003

Winter, B., & Marghetis, T., & Matlock, T. (2015). Of magnitudes and metaphors: Explaining cognitive interactions between space, time and number. *Cortex,* 64, 209-224. https://doi.org/10.1016/j.cortex.2014.10.015

Winter, B. (2014). Spoken language achieves robustness and evolvability by exploiting degeneracy and neutrality. *BioEssays*, 36:10, 960-967. https://doi.org/10.1002/bies.201400028

Winter, B. (2014). Horror movies and the cognitive ecology of primary metaphors. *Metaphor & Symbol*, 29:3, 151-170. https://doi.org/10.1080/10926488.2014.924280

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. https://doi.org/10.1016/j.pragma.2014.02.011

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. https://doi.org/10.3389/fpsyg.2014.00410

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. https://doi.org/10.1016/j.wocn.2014.01.002

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. https://doi.org/10.1075/gest.13.3.06win

Bentz, C., & **Winter, B.** (2013). Languages with more second language learners tend to lose nominal case. *Language Dynamics & Change*, 3:1, 1-27. https://doi.org/10.1163/22105832-13030105

Lancia, L., & **Winter, B.** (2013). The interaction between competition, learning and habituation dynamics in speech perception. *Laboratory Phonology*, 4:1, 221-257. https://doi.org/10.1515/lp-2013-0009

Winter, B., & Matlock, T. (2013). Making judgments based on similarity and proximity. *Metaphor & Symbol*, 28:4, 219-232. https://doi.org/10.1080/10926488.2013.826529

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. https://doi.org/10.1007/s10339-012-0476-6

Winter, B., & Bergen, B. (2012). Language comprehenders represent object distance both visually and auditorily: evidence for the immersed experiencer view. *Language and Cognition,* 4:1, 1-16. https://doi.org/10.1515/langcog-2012-0001

Winter, B., & Grawunder, S. (2012). The phonetic profile of Korean formal and informal speech registers. *Journal of Phonetics*, 40:6, 808-815. https://doi.org/10.1016/j.wocn.2012.08.006

Winter, B. (2010). A note on the higher phylogeny of Austronesian. *Oceanic Linguistics*, 49:1, 282-287. https://www.jstor.org/stable/40783595

Book chapters, conference proceedings, online publications

Winter, B., Woodin, G., & Perlman, M. (under review). Defining iconicity for the cognitive sciences. In Fischer, O., Akita, K., & Perniss, P. (Eds.), *Oxford Handbook of Iconicity in Language*. Oxford, UK: Oxford University Press.

Winter, B., & Perek, F. (in press). Cognitive linguistics. In Wei, L., Hua, Z., & Simpson, J. (Eds.), *Routledge Handbook of Applied Linguistics*. London: Routledge.

Brown, L., Hübscher, I., Kim, H., & **Winter, B.** (2023). Indexing social distance through bodily visual practices in two languages. In Jucker, A. H., Hübscher, I., & Brown, L. *Multimodal im/politeness: signed, spoken, written* (pp. 131-161). Amsterdam: John Benjamins. https://doi.org/10.1075/pbns.333.05bro

Winter, B. (2022). Mapping the landscape of exploratory and confirmatory data analysis in linguistics. In Tay, D. & Pan, M.-X. (Eds.), *Data analytics in cognitive linguistics: Methods and insights* (pp. 13-48). London: Routledge. https://doi.org/10.1515/9783110687279-002

Winter, B. (2021). Managing semantic norms for cognitive linguistics, corpus linguistics, and lexicon studies. In A. L. Berez-Kroeker, B. McDonnell, E. Koller, & Lauren B. Collsiter (Eds.), *The Open Handbook of Linguistic Data Management*. MIT Press Open. https://doi.org/10.7551/mitpress/12200.003.0047

Winter, B. (2019). Synaesthetic metaphors are neither synaesthetic nor metaphorical. In L. Speed, C. O'Meara, L. San Roque & A. Majid (Eds.), *Perception Metaphor* (pp. 105-126). Amsterdam: John Benjamins.

Winter, B. & Matlock, T. (2017). Primary metaphors are both cultural and embodied. In B. Hampe (Ed.), *Metaphor: Embodied Cognition and Discourse* (pp. 99-116). 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. 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.

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. 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.

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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 17th 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.

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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.

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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.

Plenary lectures

Language and Cognition at Birmingham (LACAB) Annual Meeting
Embodiment on demand: Why not all concepts have to be grounded — June 2022

XLVIII Finnish Conference of Linguistics, University of Turku, Turku, Finland
Statistics in linguistics: Thoughts on recurrent issues and pedagogy — May 2022

The 4th Białystok-Kyiv Conference on Theoretical and Applied Linguistics
Language and perception — December 2021

Abralin Ao Vivo, Brazil
Iconicity, not arbitrariness, is a design feature of language — May 2022
https://www.youtube.com/watch?v=R1ETw21oCGE

The 27th Annual Korea TESOL International Conference
New research on gesture: Implications for language learning & teaching — October 2019

Metaphor Festival, Amsterdam
Language and the senses: The role of perceptual metaphor — August 2019

Peer-reviewed conference talks

Winter, B., Fischer, M. H., Scheepers, C., & Myachykov, A. (2023). More is better: Language statistics reveal a bias towards addition. *16th International Cognitive Linguistics Conference (ICLC)*. Düsseldorf, Germany, August, 2023.

Duffy, S., Littlemore, J., Turner, S., **Winter, B.**, & Woodin, G. (2023). How children and adults use metaphor to reason about time, number, emotion, and music. *16th International Cognitive Linguistics Conference (ICLC)*. Düsseldorf, Germany, August, 2023.

Woodin, G., **Winter, B.**, Littlemore, J., Perlman, M., & Grieve, J. (2023). How numerical communication reflects cognition: A corpus-based analysis. *16th International Cognitive Linguistics Conference (ICLC)*. Düsseldorf, Germany, August, 2023.

Strik Lievers, F., & **Winter, B.** (2023). Theory and methods in linguistic synesthesia research: A meta-analysis of sensory metaphors. *16th International Cognitive Linguistics Conference (ICLC)*. Düsseldorf, Germany, August, 2023.

Wilding, E., **Winter, B.**, Perlman, M., & Littlemore, J. (2023). The relationship between words rated as 'iconic' and (iconic) gesture. *16th International Cognitive Linguistics Conference (ICLC)*. Düsseldorf, Germany, August, 2023.

Macuch Silva, V., Lorson, A., Kinsella, A., Woodin, G., & **Winter, B.** (2023). A corpus analysis of English change-of-state verbs used to talk about quantity. *16th International Cognitive Linguistics Conference (ICLC)*. Düsseldorf, Germany, August, 2023.

Lorson, A., Macuch Silva, V., Hart, C., & **Winter, B.** (2023). Seeing gestures can change what numbers you have in mind. *16th International Cognitive Linguistics Conference (ICLC)*. Düsseldorf, Germany, August, 2023.

Lorson, A., Macuch Silva, V., Hart, C., & **Winter, B.** (2023). Is quantifier interpretation susceptible to gestural influence?. *65th TeAP (Tagung experimentell arbeitender Psycholog:innen), Annual Meeting of the General Psychology section of the German Psychological Society*. Trier, Germany, March, 2023.

Macuch Silva, V., Lorson, A., & **Winter, B.** (2023). Strategic use of quantifiers in reporting statistics. *65th TeAP (Tagung experimentell arbeitender Psycholog:innen), Annual Meeting of the General Psychology section of the German Psychological Society*. Trier, Germany, March, 2023.

Winter, B. (2023). Acoustics versus articulation: What is sound symbolism based on?. *65th TeAP (Tagung experimentell arbeitender Psycholog:innen), Annual Meeting of the General Psychology section of the German Psychological Society*. Trier, Germany, March, 2023.

Winter, B., & Marcus, P. (2022). There is nothing arbitrary about the linguistic sign. *Joint Conference on Language Evolution (Evolang, Protolang, and Evolinguisics)*. Kanazawa, Japan. September, 2022.

Winter, B. (2022). Do abstract concepts have to be 'grounded' in anything other than language? *The 8th Conference of the Scandinavian Association for Language and Cognition 'SALC8'*, Åbo Akademi University, Turku, Finland, August 2022.

Winter, B. & Perlman, M. (2022). Subjective iconicity ratings show the continuity between ideophones and prosaic words. *Paper presented at the Workshop on Typology of Ideophones WTI-2022,* co-hosted by York University, Toronto, Canada & Nagoya University, Aichi, Japan. June, 2022.

Brown, L., Kim, H., Hübscher, I., & **Winter, B.** (2022). A cross-cultural study of politeness and gesture in Catalan and Korean. *9th International Conference on Intercultural Pragmatics and Communication*, The University of Queensland, Brisbane, Australia, June 2022.

Winter, B. (2022). Systematicity and iconicity in English counT and maSS nouns. *9th International Conference of the German Cognitive Linguistics Association*. Erfurt, Germany. March, 2022.

Winter, B., & Marcus, P. (2022). Metaphor and onomatopoeia in the language of bird song. *9th International Conference of the German Cognitive Linguistics Association*. Erfurt, Germany. March, 2022.

Winter, B. (2021). GLMs and Bayesian multilevel models. *Emerging Topics in Typology ETT2021*. University of Helsinki, November, 2021.

Winter, B. (2021). Grounding abstract concepts in emotion: cross-linguistic evidence. *13th Embodied and Situated Language Processing 'ESLP'*. September 2021.

Woodin, G., **Winter, B.**, & Perlman, M. (2021). The iconic impetus of language: From sensorimotor simulation to the lexicon. *Protolang 7*, Heinrich-Heine University Düsseldorf, Germany, September 2021.

Woodin, G., **Winter, B.**, & Padilla, L. (2021). Conceptual metaphor and graphical convention influence interpretation of line graphs. *IEEE Vis2021*, October 2021.

Hübscher, I., Brown, L., Kim, H., & **Winter, B.** (2021). Cross-cultural similarities and differences in the indexing of social distance through gestures and body movement. *17th International Pragmatics Conference 'IPrA'*. Winterthur, Switzerland, June 2021.

Woodin, G., **Winter, B.**, Perlman, M., Littlemore, J., & Matlock, T. (2020). Tiny numbers are actually tiny: Gestural evidence from the TV News Archive. *5th International Conference on Figurative Thought and Language 'FTL5'*. Sofia, Bulgaria, October 2020.

Winter, B. & Perlman, M. (2020). Crossmodal language and onomatopoeia in descriptions of bird vocalization. *The 2nd International Conference on Timbre*. Thessaloniki, Greece, September 2020.

Perlman, M. & **Winter, B.** (2020). The systematic patterns of iconicity in the English lexicon in comparison to other languages. Paper presented as part of the virtual workshop 'Iconicity in language: Theoretical issues and future directions,' *UK Cognitive Linguistics Conference 'UKCLC'*. Birmingham, UK, July 2020.

Bolognesi, M., Strik Lievers, F., & **Winter, B.** (2020). Linguistic dimensions of abstract concepts. *UK Cognitive Linguistics Conference 'UKCLC'*. Birmingham, UK, July 2020.

Ford, S., **Winter, B.**, & Littlemore, J. (2019). The figurative visual language of virtual product design: The semiotics of colour and shape in smartphone app icons. *Amsterdam Metaphor Festival*. Amsterdam, Netherlands, August 2019.

Ćwiek, A., Fuchs, S., Perlman, M., Draxler, C., & **Winter, B**. (2019). Comprehension of non-linguistic vocalizations across cultures. Workshop on Iconicity in Language, at the *41st Annual Conference of the German Linguistic Society*. Bremen, Germany, March 2019.

Sobrino, P., & **Winter, B.** (2019). Using sound symbolism to trigger multisensory associations in advertising: The case of softer soju. *The 12th International Symposium on Iconicity in Language and Literature* (ILL-12). Lund, Sweden, May 2019.

Woodin, G., **Winter, B.**, & Littlemore, J. (2019). Degrees of metaphoricity: a large-scale, quantitative analysis of iconic gestures in the TV News Archive. *The 12th International Symposium on Iconicity in Language and Literature* (ILL-12). Lund, Sweden, May 2019.

Ćwiek, A., Draxler, C., Fuchs, S., Kawahara, S., **Winter, B.**, & Perlman, M. (2019). Comprehension of iconic visualizations across languages and cultures. *The 12th International Symposium on Iconicity in Language and Literature* (ILL-12). Lund, Sweden, May 2019.

Ćwiek, A., Draxler, C., Fuchs, S., **Winter, B.**, & Perlman, M. (2019). Comprehension of iconic vocalizations across diverse cultures. *The 3rd International Convention for Psychological Science 'ICPS'*. Paris, March 2019.

Woodin, G., & **Winter, B.** (2018). Placing abstract concepts in space: quantity, time and emotional valence. *Spatial Cognition 2018*. Tübingen, September 2018.

Ford, S., Pérez-Sobrino, P., & **Winter, B.** (2018). "Surf on 4-inch stilettos": Multimodal metaphor and metonymy in mobile phone advertising. *11th International Conference on Researching and Applying Metaphor 'RaAM'*. Hong Kong, June 2018.

Fritsche, S., & **Winter, B.** (2018). Metaphors and metonymies for addiction: A corpus-based analysis of alcoholism recovery and relapse. *11th International Conference on Researching and Applying Metaphor 'RaAM'*. Hong Kong, June 2018.

Winter, B., & Srinivasan, M. (2018). Is metaphorical asymmetry actually based on concreteness? The role of word frequency. *11th International Conference on Researching and Applying Metaphor 'RaAM'*. Hong Kong, June 2018.

Woodin, G., & **Winter, B.** (2018). The continuity of metaphor? Horizontal and vertical metaphors in the spatialization of time, quantity and valence. *11th International Conference on Researching and Applying Metaphor 'RaAM'*. Hong Kong, June 2018.

Brown, L., & **Winter, B.** (2017). "Doing Deference" through Nonverbal Behavior in Korean. *15th International Pragmatics Conference 'IPrA'*. 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 'ICLC'.* Tartu, Estonia, July 2017.

Strik-Lievers, F., & **Winter, B.** (2017). Sensory language across lexical categories. *The 14th International Cognitive Linguistics Conference 'ICLC'.* 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 Thought and Language 'FTL3'.* 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 'RaAM'.* 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 'RaAM'.* 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 'ISGS'.* 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 'ISGS'.* 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 'Evolang'.* 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 'Evolang'.* 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 'Evolang'.* 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 'Evolang'.* New Orleans, LA, USA, March 2016.

Wedel, A., & **Winter, B**. (2016). Languages prefer robust phonemes. *11th International Conference on the Evolution of Language 'Evolang'.* 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 'ICPhS'*. 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 'ICPhS': 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. *14th 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 'Evolang'*. Vienna, Austria, April 2014.

Winter, B. (2014). Neutral spaces and the evolvability of spoken language. *10th International Conference on the Evolution of Language 'Evolang': 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 'ESLP'.* Potsdam, Germany, August 2013.

Coe, C., & **Winter, B.** (2013). ARGUMENT IS WAR metaphors in current politics. *12th International Cognitive Linguistics Conference 'ICLC'.* Edmonton, Canada, July 2013.

Winter, B., & Matlock, T. (2013). Testing SIMILARITY IS PROXIMITY in realistic reasoning situations. *12th International Cognitive Linguistics Conference 'ICLC'.* 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 'Evolang'.* 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 'Evolang'.* 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). *17th International Congress of Phonetic Science 'ICPhS'.* Hong Kong, August 2011*.*

Grawunder, S., **Winter, B.**, & Atoyebi, J. (2011). Voicing of labiovelar stops in Yoruba. *17th International Congress of Phonetic Science 'ICPhS'.* Hong Kong, August 2011*.*

Röttger, T., **Winter, B.**, & Grawunder, S. (2011). The robustness of incomplete neutralization in German. *17th International Congress of Phonetic Science 'ICPhS'.* Hong Kong, August 2011*.*

Winter, B. (2011). Pseudoreplication in phonetic research. *17th International Congress of Phonetic Science 'ICPhS'.* 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 'Evolang'.* 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.

Invited lectures, symposium, or colloquium talks

Northumbria University, Dept. of Psychology
There is nothing arbitrary about the linguistic sign   2023

Nagoya University, Dept. of English Linguistics
There is nothing arbitrary about the linguistic sign   2023

University of Bologna, Dept. of Modern Languages, Literatures, and Cultures
There is nothing arbitrary about the linguistic sign   2023
https://www.youtube.com/watch?v=Ol0YPGHQhvs

University of Birmingham, Psycholinguistics Lab Meeting
There is nothing arbitrary about the linguistic sign   2022

University of Tartu, Institute of Estonian and General Linguistics
Iconicity, not arbitrariness, is a design feature of language   2022

Language and Technology Data Analysis Laboratory Webinar Series, University of Queensland
Bayesian generalized linear mixed models with brms   2022
https://www.youtube.com/watch?v=UwIgWD5pWzQ

University of Birmingham, Institute for Advanced Studies workshop on 'Multimodal communication, iconicity, and metaphor'
Natural born communicators: Multimodality at the core of language   2022

Lund University, Center for Languages and Literature, Cognitive Semiotics Seminar Series
There is nothing arbitrary about the linguistic sign   2022

Oxford University, International Multimodal Communication Centre
Methodological revolutions in linguistics and the quest for claims that generalize   2022

University of Bologna, Knowledge & Cognition Center Webinar Series
Iconic gestures, and their role in communicating size, number, and time   2022
https://www.youtube.com/watch?v=xXvcN1MFnTY

University School for Advanced Studies (IUSS), Pavia, Linguistics at IUSS' talk series
Iconicity, not arbitrariness, is a design feature of language   2022

Leiden University, Leiden Institute for Brain and Cognition
Iconicity, not arbitrariness, is a design feature of language   2022

University of Birmingham, BlueBEAR high-performance computing group
The R programming language: History, community, the tidyverse, and pedagogy   2022

University of Chicago, Department of Linguistics
Iconicity is more widespread than you think   2022

'IcoSem' iconicity virtual seminar series
What we can learn from bird field guides about onomatopoeia   2021

University of California, Merced, 'Mind, Technology and Society' Lecture Series
Iconicity, not arbitrariness, is a design feature of language   2021

University of Tübingen, Dept. of Psychology, Modal and Amodal Cognition Colloquium
Abstract concepts: do they have to be grounded?   2021

University of Leeds, Linguistics and Phonetics
Statistics in linguistics and phonetics: Thoughts on independence and generalizability   2021

University College London, Speech Science Forum
Statistics in linguistics and phonetics: Thoughts on independence and generalizability   2021

University of Cologne, Center for Language Sciences Lecture Series
Statistics in linguistics: thoughts on recurrent issues and pedagogy   2021

Sapienza University of Rome, Dept. of Dynamic and Clinical Psychology, and Health Studies
Making numbers meaningful: A multimodal approach to numerical communication   2021
https://www.youtube.com/watch?v=5XgLu6PnloQ

Iconicity, not arbitrariness, is a design feature of language   2021
https://www.youtube.com/watch?v=Ol0YPGHQhvs

'New/fresh perspectives on abstract concepts' symposium organized by TRAINCREASE European Union Horizon 2020 project (No 952324)
Iconicity versus abstractness, or, why are languages not more iconic?   2021

University of Erlangen, Friedrich-Alexander-Universität Erlangen-Nürnberg
Statistics in linguistics: thoughts on recurrent issues and pedagogy   2021

Centre for Mathematical Cognition, Loughborough University
Spatial-numerical thought revealed through gesture and graphs   2021

Queeny Mary University of London, School of Electronic Engineering and Computer Science
A cognitive linguistic perspective on sound descriptions and timbre   2021

University College London, Dept. of Psychology, Language and Cognition seminar
Spatial-numerical thought: revealed through language, gesture, and graphs   2021

Glasgow University, School of Psychology
Where is iconicity, and why isn't there more of it?   2020

Bangor University, School of Languages, Literatures, Linguistics & Media
Language and the senses: The tasty smelly side of language   2020

Tilburg University, Department of Communication and Cognition
Where is iconicity, and why isn't there more of it?   2020

University of Birmingham, 'UoB Enlightened'
How gesture changes minds   2020

Edinburgh University, Department of Psychology, Lexical flexibility workshop
Metaphor and sense extension: the role of asymmetry   2019

Hanyang University, Department of English Language & Literature
Nonverbal politeness in Korean: Evidence from speech and gesture   2018

University College London, Language and Cognition group
Where is iconicity? And why isn't there more of it?   2018

Leibniz-Zentrum Allgemeine Sprachwissenschaft (ZAS Berlin)
Where is iconicity? And why isn't there more of it?   2018

The 25th 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 University, Department of Linguistics
Narrowing the gap between theory and design for phonetic experiments   2015

University of Oregon, East Asian Studies & Literatures
Linguistic politeness in Korean: Phonetics and multimodality   2014

Vrije Universiteit Brussel, Artificial Intelligence Lab
Lexical structure reflects conceptual structure   2014

University of Cologne, Cologne Center of Language Sciences (co-presented with Doris Mücke)
Dynamic structuring in language and communication: The many meanings of dynamic   2014

University of California, Berkeley, CogNetwork Colloquium Series
Metaphor and math: Talking, gesturing and thinking about numbers in terms of space   2014

University of California, Berkeley, Phorum Colloquium Series
Categorical perception is not that categorical   2013

University of Arizona, Dept. of Linguistics
Categorical perception is not that categorical   2013

RWTH Aachen University, HumTec, Natural Media and Engineering Group
Recent experimental approaches to conceptual metaphor theory   2012
Recent topics in simulation semantics   2011

Max Planck Institute for Evolutionary Anthropology, Dept. of Linguistics
Languages with many second language speakers tend to have reduced case systems   2012

University of Cologne, Dept. of General Linguistics
Languages with many second language speakers tend to have reduced case systems   2012

Max Planck Institute for Evolutionary Anthropology, Dept. of Linguistics
Voicing of labiovelar /gb/ and /kp/ in Yoruba (poster presentation)   2011
The phonetic profile of Korean politeness   2010
Robustness as a design feature of language   2010

University of Cologne, Institute of Phonetics
Robustness as a design principle of phonetic systems   2012
The nature of incomplete neutralization in German   2011

Peer-reviewed conference posters

Lorson, A., Macuch Silva, V., Hart, C., & **Winter, B.** (2023). Gesture can influence what number you have in mind. *6th Annual Conference of the Mathematical Cognition and Learning Society 'MCLS'*. Loughborough, UK, June 2023.

Macuch Silva, V., Lorson, A., & **Winter, B.** (2023). Strategic use of quantifiers in reporting statistics. *6th Annual Conference of the Mathematical Cognition and Learning Society 'MCLS'.* Loughborough, UK, June 2023.

Winter, B., Fischer, M. H., Scheepers, C., & Myachykov, A. (2023). More is better: Language statistics reveal a bias towards addition. *6th Annual Conference of the Mathematical Cognition and Learning Society 'MCLS'.* Loughborough, UK, June 2023.

Paxton, A., Brown, L., & **Winter, B.** (2018). Complex coordination: How power dynamics and task demands shape interpersonal motor synchrony. *40th Annual Cognitive Science Society Meeting.* Madison, Wisconsin, July 2018.

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.**, Lupyan, 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 'Evolang'.* 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 'ICPhS'.* 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 'ESLP'.* 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 'ISGS'.* 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 'Evolang'.* 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? *The 13th Conference on Laboratory Phonology 'LabPhon 13'*. 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.

ECR-focused talks

STaPs Sprachwissenschaftliche Tagung für Promotionsstudierende
The Bayesian revolution in linguistics: Why and how?   March 2022

Hong Kong Polytechnic University, Postgraduate Research Symposium
An introduction to statistical modelling and linear mixed effects models with R   June 2021

The 4th Białystok-Kyiv Conference on Theoretical and Applied Linguistics
How to get published   December 2021

27th Annual Korea TESOL International Conference, Sookmyung Women's University, Seoul
How to publish your research   October 2019

Impact and outreach events / events not exclusively academic

Birmingham Artificial Intelligence "brum.ai" Network
Communication in data science   April 2022
Panelists: Jelena Ilic (British Telecommunications)
              Patrice Hazam (Meta)
              Gabriel Griffin-Booth (National Grid)

Digital Natives, Birmingham, UK
What cognitive science can teach us about communicating data   May 2021

University of Northern Colorado, Frontiers of Science Institute Seminar
Language, evolution, and numbers   April 2021

R-Ladies Coventry
Introduction to data wrangling with the tidyverse   2021
https://www.youtube.com/watch?v=hq1BxHRuS3o

Birmingham R User Group Meetup
Intro to multilevel models   2021
Intro to linear models and generalized linear models   2020
What linguists do with R   2019

Panel member

International Cognitive Linguistics Association (ICLA), Panel on Publishing
How to publish in a top journal, with Dagmar Divjak   July 2021
https://www.youtube.com/watch?v=5QLp-T74rbA

Organizing virtual conferences (organized by Susan Nacey)
https://www.youtube.com/watch?v=r6xIxe5EyKU   September 2020

The 27th Korea TESOL International Conference, Sookmyung Women's University, Korea
Tips for doing research and writing a graduate thesis or dissertation   October 2019

Statistics and R workshops

University of Exeter, Dept. of Psychology
Statistical modeling with R (3 days, physical)   2022

University of Cologne, Prominence in Language group (Sonderforschungsbereich)
Generalized linear mixed models with brms (4 days, physical)   2022
Linear mixed models, R programming, tidyverse, cluster analysis (6 half-days, physical)   2019
Linear mixed models, R programming, tidyverse, cluster analysis (6 half-days, physical)   2019
Linear models, mixed models, Bayesian statistics, random forests (4 half-days, physical) 2018
Introductory statistics and linear models (2 days, physical)   2017

Methodological Advances in Prosody Research Workshop, Seoul National University, Korea
Reproducible data science with R and Bayesian mixed models (2 days, physical)   2022

LOT Winterschool, Vrije Universiteit (VU) Amsterdam
Data science for linguists (2 hours x 5 days, virtual)   2022

Aarhus University, School of Communication and Culture
Bayesian statistical modeling with brms (2 days, physical)   2022
Statistical modeling with R (3 days, virtual)   2021

Université Paris Diderot (Paris 7), 7th Paris-Cologne Cologne Collaborative Meeting
Quantifying and interpreting variability in speech (4 days, physical)   2021

University of Tübingen, Dept. of Psychology
Statistical modeling with R (3 days, virtual)   2021

Baltic Summer School of Digital Humanities, Tallinn, Estonia
Introduction to linear mixed models and Bayesian inference (1 day, physical)   2021

University of Bologna, Dept. of Modern Languages, Literatures, and Cultures
Introduction to statistical modeling for linguists with R (1 day, virtual)   2021

Case Western Reserve University, Department of Cognitive Science
Statistical modeling with R (2 hours x 5 days, virtual)   2021

University of Tromsø, Faculty for Humanities, Social Sciences and Education
Statistical modeling with R (3 days, virtual)   2020

Leiden University
Generalized linear mixed models (3 days, physical)   2019

Paris-Sorbonne University
Generalized linear mixed models (2 days, physical)   2019

University of Edinburgh, School of Philosophy, Psychology & Language Sciences
Generalized linear mixed models (3 days, physical)   2019
Generalized linear mixed models (3 days, physical)   2017

University of Erfurt, English and American Studies
Applied statistics for linguists (5 days, physical)   2018

Deafness Cognition and Language Research Centre, University College London

Applied statistics for linguists (4 days, physical) 2018

RWTH Aachen University, Institut für Anglistik, Amerikanistik und Romanistik
Generalized linear mixed models (1 day, physical) 2017

Newcastle University, School of Education, Communication and Language Sciences
Generalized linear mixed models (3 days, physical) 2019
Generalized linear mixed models (3 days, physical) 2017

University of Plymouth, Dept. of Psychology
Generalized linear mixed models (3 days, physical) 2017

University of Stuttgart, Expsy Group (Experimental Psycholinguistics Group) of SFB 732
Data munging with R (3 days) 2017
Generalized linear mixed models for linguists (3 days) 2016

Annual Meeting of the Linguistic Society of America Institute, Washington D.C.
Statistical methods using R (1 half-day workshop, physical) 2016

University of California, Merced, Cognitive & Information Sciences
Linear models and extensions with R (3 days, physical) 2016
Linear models and extensions with R (3 days, physical) 2015

Linguistic Society of America Institute, Summer school, Chicago
The data gold rush: Exploiting freely available web data for linguistic research (5 days, physical) 2015

RWTH Aachen University, Institut für Anglistik, Amerikanistik und Romanistik
Regression modeling for linguists (3 days, physical) 2014

Vrije Universiteit Brussel, Artificial Intelligence Lab
Linear models and mixed models (2 days, physical) 2014

University of Cologne, Institut für deutsche Sprache und Literatur
Generalized Linear Mixed Models for Linguists (3 days, physical) 2013

University of Arizona, Dept. of Linguistics
Generalized linear mixed models for linguists (3 days, physical) 2013
Generalized linear mixed models for linguists (2 days, physical) 2016

Aarhus University, Dept. of Aesthetics and Communication
Generalized linear mixed models (3 days, physical) 2013

University of Cologne, Institute of Phonetics
Generalized linear mixed models for phoneticians (3 days, physical) 2012
Data mining experimental and corpus data (3 days, physical) 2014
Dynamical systems and statistical modeling of trajectories (3 days, physical) 2014

University teaching

Princeton University, Dept. of Psychology
Statistical modeling with R (3 hours x 6 weeks, virtual) 2022

University of Birmingham, Dept. of English Language and Applied Linguistics
Birmingham distance learning summer school, Birmingham (2 hours, physical) 2017-2022
Birmingham corpus linguistics summer school, Birmingham (2-4 hours, physical/virtual) 2017-2022
Birmingham statistics for linguists summer school (five-day event, physical) 2018, 2019, 2022
Analyzing and visualizing quantitative linguistic data (UG, physical) 2020
Psycholinguistics (MA distance-learning materials) 2019
Semantics & pragmatics (UG, physical) 2019
Fundamentals of language: Sounds & words (UG, physical) 2019
Birmingham distance learning summer school, Korea (5 days, physical) 2018
Statistics with R for staff members (5 days, physical) 2017
Lexical semantics (UG, physical) 2017, 2018

Language & senses (MA, physical)	2017, 2018
Language, senses & sound symbolism (UG, physical)	2017, 2018
Psycholinguistics (UG, physical)	2016
Language & mind (UG, physical)	2016, 2019

University of Cologne, Institut für deutsche Sprache und Literatur

Introduction to statistics for linguists (4-day 'Blockseminar', physical)	2015
Regression Modeling for Linguists (4-day 'Blockseminar', physical)	2014
Introduction to statistics for linguists (4-day 'Blockseminar', physical)	2014

University of California, Merced, Cognitive & Information Sciences

Gesture, instructor of record (UG)	2016
Mathematical cognition, instructor of record (UG)	2014
Metaphor & thought, teaching assistant (UG)	2012, 2013
Research methods, teaching assistant (UG)	2013
Introduction to language and linguistics, teaching assistant (UG)	2012
Introduction to cognitive science, teaching assistant (UG)	2011

University of Cologne, Dept. of General Linguistics

| Introduction to general linguistics, Teaching assistant | 2009 |

Advising / supervision

Current PhD students
Nouf Alsaloli	
Samantha Ford	AHRC funded
Rachel Manley	
Joanne McCuaig	
Dana Roemling	ESRC funded
Freya Watkins	ESRC funded
Ellen Wilding	ESRC funded

Graduated PhD students
| Maryam Nasseri | graduated 2020 |
| Greg Woodin | graduated 2022 (ESRC funded) |

External examiner

External examiner
Asha Soto	PhD	University of Edinburgh	2022
Felix Pambuccian	PhD	University of Illinois, Chicago	2021
Tomas Engelthaler	PhD	University of Warwick	2019
Li Ying	PhD	University of Warwick	2019
Sarah Kelly	PhD	University of York	2018
Li Heng	PhD	Northumbria University	2018

External examiner: program award
University of Essex   BA Linguistics with Data Science

Advisory board

Institute for Interdisciplinary Data Science and Artificial Intelligence, UoB
Strategic advisory board for education (committee prior to commencement of institute)

ERC project ABSTRACTION, University of Bologna
Advisory board

Reviewing and editorial service

Editorial service
Language & Cognition (Editor-in-Chief 2021-2024), *Language & Cognition* (General Editor 2017-2021), *Journal of Phonetics* (Guest Editor for special issue 'Emerging data analysis in phonetics', co-edited with Timo Roettger and Harald Baayen)

Reviews for book proposals
Routledge (2 X), Cambridge University Press (2 X)

Reviews for funding bodies
DAAD (PRISM post-doc fellowship, December 2019) (2 X); San Francisco State University (Facilitating Research and Creative Activities Program)

Reviews for journals
Behavior Research Methods (8 times); Cognitive Science (5 times); Journal of Phonetics (5 times); PLoS ONE (5 times); Cognitive Linguistics (4 times); Language & Cognition (2 times prior to becoming Editor); Cognition (2 times); Psychological Research (2 times); Journal of the International Phonetic Association (2 times); International Journal of Corpus Linguistics (2 times); Metaphor & Symbol (2 times); Journal of Cognitive Psychology (2 times); Language & Speech; Cognitive Neuropsychology; Philosophical Transactions of the Royal Society B; Psychonomic Bulletin & Review; Psychological Methods; Language Dynamics & Change; Acta Linguistica Hungarica; Journal of Language Evolution; Journal of Experimental Psychology: Learning, Memory and Cognition; Discourse, Context & Media; Laboratory Phonology; International Review of Social Psychology; Advances in Methods and Practices in Psychological Science; Musica Scientiae; Linguistics Vanguard; SAGE Open; Frontiers in Psychology; Philosophical Transactions of the Royal Society: B; Studies in Second Language Acquisition

Reviews for edited volumes
John Benjamins, *Dynamism in Metaphor and Beyond*
MIT Press Open, *Open Handbook of Linguistic Data Management*
Cambridge University Press, *Metaphor: Embodied Cognition and Discourse*
Oxford University Press, *Experimental Approaches to the Evolution of Morphological Complexity*

Reviews for conferences
Spatial Cognition 2018; Corpus Linguistics 2017; Phonetics and Phonology in Europe 2017; 11th International Conference on the Evolution of Language; 37th Annual Conference of the Cognitive Science Society; 36th Annual Conference of the Cognitive Science Society; 12th Conceptual Structure, Discourse and Language; 5th Embodied Situated Language Processing; 10th International Conference on the Evolution of Language; DGKL 9 (German Cognitive Linguistics Association Conference, 9)