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Last updated on December 1, 2021

CURRENT ACADEMIC POSITION

McMaster University, Post-doctoral researcher, Department of Linguistics and Languages, Sept 2017-present

PREVIOUS ACADEMIC POSITION

University of Alberta, Post-doctoral research fellow, Department of Psychology, Sept 2016-Sept 2017

EDUCATION

Ph.D. McMaster University, Hamilton, Canada, 2016
Program: Cognitive Science of Language
Thesis title: *Semantic Processing of Morphologically Complex Words: Experimental Studies in Visual Word Recognition.*
Supervisor: Dr. Victor Kuperman

Visiting Ph.D. student at Eberhard Karls Universität Tübingen, Tübingen, Germany, 2016
Visiting lab: The Quantitative Linguistics research unit, Seminar für Sprachwissenschaft
Supervisor: Professor R. Harald Baayen

M.Sc. University of Edinburgh (Merit), Edinburgh, Scotland, 2011
Program: Developmental Linguistics
Thesis title: *Lexical Representation of Cognates and Noncognates in Second Language Learners: An Investigation Using the Translation Recognition Task.*

Supervisor: Dr. Mits Ota

B.A. (First Class Honors), York St. John University, York, England, 2010
Program: English Language and Linguistics
Dissertation: *The Development of Parasitism in Second Language Vocabulary Acquisition: The Effects L2 Exposure and Cognate Status.*
Supervisor: Dr. Christopher Hall

PUBLICATIONS

SUBMITTED

Oralova, G., **Schmidtke, D.** Boshra, R., Kyröläinen, A., Connolly, J. F., & Kuperman, V. (Under review). The chicken or the egg? The timeline for lexical and semantic effects in derived word recognition using simultaneous recording of EEG and eye-tracking. *Journal of Experimental Psychology: Human Perception and Performance.*

Benjamin, S. & **Schmidtke, D.** (Under review). Conceptual combination during novel and existing compound word reading in context: a self-paced reading study *Memory & cognition.*

Schmidtke, D., Rahmanian, S., & Moro, A. L. (Under review). Reading experience drives L2 reading development: a longitudinal study of EAL reading habits. *System.*

Schmidtke, D., Rahmanian, S., & Moro, A. L. (Under review). Morphological awareness in English learner university students is sensitive to language statistics: A longitudinal study. *Applied Psycholinguistics.*

Schmidtke, D., Rahmanian, S., & Moro, A. L. (Under review). Tracking reading development in an English language bridging program: evidence from eye-movements during passage reading. *Bilingualism: Language and Cognition.*

SCIENTIFIC PUBLICATIONS and BOOK CHAPTERS

Schmidtke, D. & Moro, A. L. (2021). Determinants of Word-Reading Development in English Learner University Students: A Longitudinal Eye Movement Study. *Reading Research Quarterly.* *56*(4), 819-854.

Schmidtke, D., Van Dyke, J. A. & Kuperman, V. (2021). CompLex: An eye-movement database of compound word reading in English. *Behavior Research Methods.* *53*, 59-77.

Schmidtke, D. & Kuperman, V. (2020). Book chapter. Psycholinguistic Methods and Tasks in Morphology. In *Oxford Research Encyclopedia of Linguistics.* Oxford University Press. doi: http://dx.doi.org/10.1093/acrefore/9780199384655.013.600

Schmidtke, D., Rahmanian, S. & Moro, A. L. (2019). Technical report on change in language abilities of students enrolled in the McMaster English Language Development (MELD) program. McMaster University.

Gagné, C. L., Spalding, T., & **Schmidtke, D.** (2019). LADEC: The Large Database of English Compounds. *Behavior Research Methods*, *51*, 2152-2179.

Ho, A., Boshra, R., **Schmidtke, D.**, Oralova, G., Moro, A. L., Service, E., & Connolly, J. F. (2019). Electrophysiological evidence for the integral nature of tone in Mandarin spoken word recognition. *Neuropsychologia*, *131*, 325-332.

Schmidtke, D. & Kuperman, V. (2019). A paradox of apparent brainless behavior: The time-course of compound word recognition. *Cortex*, *116*, 250-267.

Snefjella, B., **Schmidtke, D.**, & Kuperman V. (2018). National character stereotypes mirror language use: A study of Canadian and American tweets. *PLoS ONE 13(11)*: e0206188. https://doi.org/10.1371/journal.pone.0206188

Schmidtke, D., Gagné, C. L., Kuperman, V. & Spalding, T. L. (2018). Language experience shapes relational knowledge of compound words *Psychonomic Bulletin and Review*, *25(4)*, 1468-1487.

Schmidtke, D., Gagné, C. L., Spalding, T. L., Kuperman, V. & Tucker, B. V. (2018). Conceptual relations compete during auditory and visual compound word recognition. *Language, Cognition and Neuroscience*, *33(7)*, 923-942.

Schmidtke, D., Van Dyke, J. A. & Kuperman, V. (2018). Individual variability in the semantic processing of English compound words. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *44(3)*, 421-439.

Schmidtke, D., Matsuki, K., & Kuperman, V. (2017). Surviving blind decomposition: a distributional analysis of the time-course of complex word recognition. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *43(11)*, 1793-1820.

Schmidtke, D. & Kuperman, V. (2017). Mass counts in World Englishes: A corpus linguistic study of noun countability in non-native varieties of English. *Corpus Linguistics and Linguistic Theory*, *13(1)*, 135-164.

Schmidtke, D., Kuperman, V., Gagné, C. L. & Spalding, T. L. (2016). Competition between conceptual relations affects compound recognition: the role of entropy. *Psychonomic Bulletin and Review*, *23(2)*, 556-570.

Hall, C. J., **Schmidtke, D.** & Vickers, J. (2013). Countability in World Englishes. *World Englishes*, *32(1)*, 1-22.

TEACHING

2021 Course Instructor (Winter term). Statistics for language research. McMaster University, Canada.

2020 Course Instructor (Fall term). Computers and Linguistic Analysis. McMaster University, Canada.

2020 Course Instructor (Winter term). Statistics for language research. McMaster University, Canada.

2019 Course Instructor (Winter term). Statistics for language research. McMaster University, Canada.

2018 Course Instructor (Winter term). Computers and Linguistic Analysis. McMaster University, Canada.

2017 Course Instructor (Fall term). The Art of Leadership. McMaster University, Canada.

2017 Course Instructor (Winter term). Statistics for language research. McMaster University, Canada.

2015 Teaching assistant (Winter term). Statistics for language research. McMaster University, Canada.

2014 Teaching assistant (Fall term). Research methods. McMaster University, Canada.

2014 Teaching assistant (Winter term). Course content developer. Creating online materials for Introduction to Linguistics 1 and 2. McMaster University, Canada.

2013 Teaching assistant (Fall term). Introduction to linguistics 1: Phonetics, phonology and morphology. McMaster University, Canada.

2013 Teaching assistant (Winter term). Introduction to linguistics 2: Syntax and semantics. McMaster University, Canada.

2012 Teaching assistant (Fall term). Introduction to linguistics 1: Phonetics, phonology and morphology. McMaster University, Canada.

PRESENTATIONS

REFEREED

2020 **Schmidtke, D.**, Rahmanian, S. & Moro, A. "Reading experience drives L2 reading development: a longitudinal study of EAL reading habits ". Presentation. **Words in the World International Conference**, Online. November 19th.

2020 **Schmidtke, D.**, Rahmanian, S. & Moro, A. "The role of language experience on morphological knowledge: a longitudinal study of written complex word production in second language learners". Presentation. **Meeting of the Psychonomic Society**, Online. November 26th.

2020 **Schmidtke, D.**, Rahmanian, S. & Moro, A. "A head start in reading ability: The effect of early phonological awareness on change in ESL passage reading behaviour and reading habits". Presentation. **Words in the World International Conference**, Online. October 16th.

2018 **Schmidtke, D.** & Moro, A. "Word reading development in EFL university students". Poster. **Meeting of the Psychonomic Society**, New Orleans, LA. November 15th

2018 **Schmidtke, D.**, Warriner, A. B., Kuperman, V., & Moro, A. "Reading development in EFL students: A within-participant eye-movement study". Talk. **Second Language Research Forum: On the Contribution of Cognitive Science to Second Language Research**, Montréal, QC. October 26th

2018 **Schmidtke, D.**, Warriner, A., & Moro, A. "Determinants of Successful Reading Development in L2 English Learners: A Within Participant Eye-movement Study". Poster. **11th International Conference on the Mental Lexicon**, Edmonton, AB. September 26th

2017 **Schmidtke, D.**, Gagné, C. L., Spalding, T. L., Kuperman, V. & Tucker, B. V. "Conceptual relations compete during auditory and visual compound word recognition". Poster. **Meeting of the Psychonomic Society**, Vancouver, BC. November 10th

2017 **Schmidtke, D.** Warriner, A., Kuperman, V. & Moro, A. "How L2 instruction influences eye-movements during reading: a within-participant study of English learners". Poster. **19th European Conference on Eye Movements**, Wuppertal, Germany. August 23rd

2017 **Schmidtke, D.**, Gagné, C. L., Kuperman, V. & Spalding, T. L. "The role of competition between conceptual relations during compound word recognition: Evidence from spoken and visual word recognition". Talk. **International Morphological Processing Conference**, Trieste, Italy. June 23rd

2017 Kuperman, V., **Schmidtke, D.** & Matsuki, K. "Survival analysis: A tool for timing semantic and formal effects on derived and compound word recognition". Talk. **International Morphological Processing Conference**, Trieste, Italy. June 23rd

2017 Snefjella, B., **Schmidtke, D.** & Kuperman, V. "National Character Stereotypes Correspond to a Nations Distinctive Words". Poster. **Society for Personality and Social Psychology**, San Antonia, TX. Jan 20th

2016 **Schmidtke, D.**, Matsuki, K. & Kuperman, V. "Surviving meaningless decomposition: a non-parametric view of the time-course of complex word recognition". Talk. **10th International Conference on the Mental Lexicon**, Ottawa, ON. Oct 21st

2016 **Schmidtke, D.**, Kuperman, V., Gagné, C. L. & Spalding, T. L. "Processing compound relational structure is contingent on reading skill: evidence from eye-tracking". Poster. **10th International Conference on the Mental Lexicon**, Ottawa, ON. Oct 20th

2016 **Schmidtke, D.**, Service, E., Mah, R. & Connolly, J. F. "N400 evidence for embodied processing of concrete words after a picture context". Poster. **10th Annual Canadian Neuroscience Meeting**, Toronto, ON. June 1st

2015 **Schmidtke, D.**, Kuperman, V. & Snefjella, B. "Using Twitter to Examine Geo-Linguistic Variation at the National Border". Poster. **Meeting of the Psychonomic Society**, Chicago, IL. November 20th

2015 **Schmidtke, D.**, Service, E., Mah, R. & Connolly, J. F. "N400 evidence for embodied processing of concrete words after a picture context". Poster. **Meeting of the Society for Neuroscience**, Chicago, IL. October 18th

2015 **Schmidtke, D.**, Kuperman, V. & Van Dyke, J. A. "The role of semantic transparency on the processing of English compound words: insights from individual differences". Talk. **American International Morphology Meeting 3**, Amherst, MA. October 4th

2015 **Schmidtke, D.**, Kuperman, V. & Van Dyke, J. A. "The role of semantic transparency on the processing of English compound words: insights from individual differences". Poster. **Eighteenth Annual European Conference on Eye Movements**, Vienna, Austria. August 16th

2015 **Schmidtke, D.**, Kuperman, V. & Van Dyke, J. A. "It's all going to pieces: The role of individual differences and emotion in complex word recognition". Talk. **Twenty-Second Annual Meeting of the Society for the Scientific Study of Reading**, Hapuna Beach Prince Hotel, Big Island, HI, USA. July 18th

2015 Chapman, C., Doran, D. & **Schmidtke, D.** "Testing the constraints on evidentiality in English: A forced-choice acceptability judgement task". Talk. **Experimental Approaches to Semantics**, Universitat Pompeu Fabra, (Barcelona, Spain), August 3rd-7th

2015 Chapman, C., Doran, D. & **Schmidtke, D.** "On the elements of discourse encoded in English evidential constructions". Poster. **Discourse Expectations: Theoretical, Experimental, and Computational Perspectives**, University of Alberta, June 17th-19th

2015 Chapman, C., Doran, D. & **Schmidtke, D.** "The locus of evidentiality in English". Talk. **Canadian Linguistics Association**, University of Ottawa, May 30th-June 1st

2014 **Schmidtke, D.** & Mandera, P. "Mass counts in the World Wide Web: A corpus linguistic study of noun countability in non-native varieties of English". Poster. **9th International Conference on the Mental Lexicon**, Niagara-on-the-lake, ON, Canada. October 2nd 2014.

2014 **Schmidtke, D.**, Kuperman, V. & Van Dyke, J. A."Does everybody see a *stripper* in *paintstripper*? Individual differences in the effects of semantic transparency on compound processing". Poster. **Twenty-First Annual Meeting of the Society for the Scientific Study of Reading**, Santa Fe, NM, USA. July 17th

2014 **Schmidtke, D.** & Kuperman, V. "Mass counts in the World Wide Web: A corpus linguistic study of noun countability across varieties of English". Talk. **Canadian Linguistic Association**, Congress of the Humanities and Social Sciences at Brock University St. Catherines, Ontario, Canada. May 24th 2014.

2013 **Schmidtke, D.** "Investigating the time-course of semantic access during morphological processing: An eye-tracking study using the gaze-contingent paradigm". Talk. **5th Annual Western Interdisciplinary Student Symposium on Language Research**, Western University, London, Ontario, Canada.

INVITED

2014 **Schmidtke, D.** "What can latent semantic analysis reveal about morphology in the lexicon? Evidence from eye-movements and corpus data". **Invited talk**, York St. John University, York, UK. April 30th 2014.

GRANTS & AWARDS

2017 **Post Doctoral Fellows Association Travel Grant**, travel grant in support of attendance of the International Morphological Processing Conference (MoProc), SISSA, Trieste, Italy, June 22nd-24th 2017.

2016 **The Governor General's Graduate Academic Medal (nominated)**, nomination for Ph.D. thesis.

2016 **The CAGS/PROQUEST-UMI Distinguished Dissertation Award (nominated)**, nomination for Ph.D. thesis.

2015 **Departmental travel award**, Travel grant in support of attendance of the Meeting of the Society for Neuroscience, Chicago, IL. October 18th 2015.

2015 **Departmental travel award**, Travel grant in support of attendance of the Twenty-Second Annual Meeting of the Society for the Scientific Study of Reading, Hapuna Beach Prince Hotel, Big Island, HI, USA. July 18th 2015

2013 - 2014 **Lewis & Ruth Sherman Centre for Digital Scholarship**, Graduate fellowship

2012 - 2016 **Ontario Trillium Scholarship**, International PhD scholarship program

2012 - 2016 **McMaster International Excellence Award** (Declined)

2012 - 2016 **McMaster Graduate Scholarship** (Declined)

2010 **York St John University Business School Prize**, Award in recognition of outstanding academic achievement

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MEDIA INTERVIEWS

Television interview with Global News Network, Canada, January 7th 2016.

Television interview with Ian Hanomansing. The National. Canadian Broadcasting Corporation, January 8th 2016.

Radio interview with Canadian Broadcasting Corporation Syndication. January 8th 2016.

Radio interview with Scott Thompson. Scott Thompson show. CHML AM900, Hamilton. January 8th 2016.

Newspaper interview with Toronto Star, https://www.thestar.com/news/gta/2016/01/08/canadians-more-polite-on-twitter-than-americans-study-says.html, Online, January 8th 2016. Print, January 9th 2016.

Radio interview with Doug McIntyre. Doug McIntyre Show. KABC Radio AM790–Los Angeles/OC–Monday morning drive time west coast USA, January 11th 2016.

Radio interview with John Maciel. KW Magazine. CKWR FM. Kitchener, Ontario. January 27th.

WORK EXPERIENCE

June-September 2016 **Research Assistant** "Data analyst. MELD (McMaster English Language Development Diploma)", McMaster University, Canada.
Edited and performed statistical analysis on eye-movement data collected from students in the MELD program.

April-August 2014 **Research Assistant** "Course content developer. Creating online materials for Introduction to Linguistics 1 and 2", McMaster University, Canada.
Adapted existing exercise, assignments and quizzes for Linguistics 1A03 and 1AA3 for online delivery via Avenue to Learn online course tool. Developed new materials for online delivery. Advised course designers on the creation of learning activities and modules.

September 2012 **Research Assistant** "Countability in world Englishes", York St. John University, UK.
Provided extensive independent input on the data search and tabulation process, and contributed to the content of the finished written paper and oral presentation.

ACADEMIC SERVICE

2015 **Member**, McMaster Research Ethics Board, McMaster University

January 2015 - April 2015 **Student representative**, Department of Languages and Linguistics, McMaster University

2014 **Reviewer**, Behavioural Research Methods

2013-present **Fellow**, Sherman Centre for Digital Scholarship, McMaster University

2013 **Presentation**, Scientific Research Methods, McMaster University (March 26th)

2012 **Student reviewer**, *Introducing Language in Use: A Course Book*, Routledge, 2013

2009-2010 **Member**, LIdIA (Language and Identities in InterAction) Research Unit, York St. John University

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UNPAID WORK EXPERIENCE

2012 **Volunteer**, Formal Approaches to Slavic Linguistics 22, McMaster University, Canada (May 3rd-5th)

2012 **Volunteer**, ScienceFest, Newcastle Science Fest, Newcastle, UK (March 8th-12th)

2012-present **Volunteer**, STEM (Science , Technology, Engineering and Maths) Outreach (Science Ambassadors programme), Newcastle College, UK

2010-2011 **Student Representative**, MSc Developmental Linguistics, University of Edinburgh

2007-2010 **Contributor and Article Editor**, York St. John University Magazine

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RELEVANT SKILLS

Experimental Programming
Working knowledge of ExperimentBuilder, DataViewer, DMDX, E-Prime

Experiment Design, Data Analysis, Data Visualization and Word Processing
R, ggplot, Sweave, LaTeX Brain Vision Analyzer, Microsoft Office Suite (Excel, Word, Powerpoint), SPSS (PASW), Stata

Full UK Driving Licence

PERSONAL

Born on May 6th, 1988
British Citizen