CURRICULUM VITAE
DR. TITUS VON DER MALSBURG

Visiting Professor for Psycho- and Neurolinguistics
Department of Linguistics
University of Potsdam
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Employment

2016–	Visiting Professor for Computational Psycholinguistics	
	University of Potsdam, Dept. Linguistics	
2017–	Research Affiliate	
	Massachusetts Institute of Technology, Dept. Brain and Cognitive Sciences	
2014–2016	Research Fellow	
	UC San Diego, Dept. Psychology, Dept. Linguistics	
2014	Research Associate	
	University of Oxford, Dept. Experimental Psychology	
2012–2013	Postdoctoral Researcher	
	University of Potsdam, DFG Research Group 868: Mind and Brain Dynamics	

Education

2012	Dr. phil., Cognitive Science, University of Potsdam. Thesis title: *Scanpath phenomena in reading: An investigation of scanpath effects in syntactic ambiguity resolution and in general reading* (summa cum laude).
	Advisors: Prof. Dr. Shravan Vasishth, Prof. Dr. Reinhold Kliegl
2005	B.A., International Studies in Computational Linguistics, University of Tübingen.

Monographs

von der Malsburg, T. (2012). *Scanpath phenomena in reading: An investigation of scanpath effects in syntactic ambiguity resolution and in general reading* (Doctoral dissertation, University of Potsdam).

Articles in preparation

von der Malsburg, T., Poppels, T., & Levy, R. (2018). *Gender bias in linguistic preferences during the 2016 U.S. presidential campaign*.

Journal articles

Schotter, E., von der Malsburg, T., & Leinenger, M. (2018). Forced fixations, trans-saccadic integration, and word recognition: Evidence for a hybrid mechanism of saccade triggering in reading. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.

Schotter, E., Leinenger, M., & von der Malsburg, T. (2017b). When your mind ignores what your eyes see: How forced fixations lead to comprehension illusions in reading. *Psychonomic Bulletin & Review*.

von der Malsburg, T. & Angele, B. (2016). False positives and other statistical errors in standard analyses of eye movements in reading. *Journal of Memory and Language*, *94*, 119–133.

Metzner, P., von der Malsburg, T., Vasishth, S., & Rösler, F. (2016). The importance of reading naturally: Evidence from combined recordings of eye movements and electric brain potentials. *Cognitive Science*, *41*(S6), 1232–1263.

von der Malsburg, T., Kliegl, R., & Vasishth, S. (2015). Determinants of scanpath regularity in reading. *Cognitive Science*, *39*(7), 1675–1703.

Metzner, P., von der Malsburg, T., Vasishth, S., & Rösler, F. (2015). Brain responses to world-knowledge violations: A comparison of stimulus- and fixation-triggered event-related potentials and neural oscillations. *Journal of Cognitive Neuroscience*, *27*(5), 1017–1028.

von der Malsburg, T. & Vasishth, S. (2013). Scanpaths reveal syntactic underspecification and reanalysis strategies. *Language and Cognitive Processes*, *28*(10), 1545–1578.

Vasishth, S., von der Malsburg, T., & Engelmann, F. (2013). What eye movements can tell us about sentence comprehension. *Wiley Interdisciplinary Reviews: Cognitive Science*, *4*(2), 125–134.

Marusch, T., von der Malsburg, T., Bastiaanse, R., & Burchert, F. (2012). Tense morphology in german agrammatism: The production of regular, irregular and mixed verbs. *The Mental Lexicon*, *7*(3), 351–380.

von der Malsburg, T. & Vasishth, S. (2011c). What is the scanpath signature of syntactic reanalysis? *Journal of Memory and Language*, *65*(2), 109–127.

Proceedings, long papers

Marusch, T., von der Malsburg, T., Bastiaanse, R., & Burchert, F. (2013). Tempusmorphologie bei deutschen Agrammatikern: Die Sprachproduktion von regulären, irregulären und gemischten Verben. In *Spektrum patholinguistik* (Vol. 6, pp. 219–223). Potsdam, Germany: Universitätsverlag Potsdam.

von der Malsburg, T., Vasishth, S., & Kliegl, R. (2012). Scanpaths in reading are informative about sentence processing. In P. B. Michael Carl & K. K. Choudhary (Eds.), *Proceedings of the First Workshop on Eye-tracking and Natural Language Processing* (pp. 37–53). Mumbai, India: The COLING 2012 organizing committee.

von der Malsburg, T., Baumann, T., & Schlangen, D. (2009). TELIDA: A package for manipulation and visualization of timed linguistic data. In *Proceedings of the SIGDIAL 2009 Conference: The 10th Annual Meeting of the Special Interest Group on Discourse and Dialogue* (pp. 302–305). Association for Computational Linguistics. London, UK.

Proceedings, talks

Morgan, A., von der Malsburg, T., Ferreira, V., & Wittenberg, E. (2018a). This is the structure that we wonder why anyone produces it: Resumptive pronouns in English hinder comprehension. In M. Pickering, M. Crocker, R. Hartsuiker, V. Ferreira, H. Branagan, & R. Mishra (Eds.), *Proceedings of the 1th architectures and mechanisms for language processing conference - asia*. Hyderabad, Telangana, India: University of Hyderabad.

von der Malsburg, T., Poppels, T., & Levy, R. (2017a). The president gave her inauguration speech. No, they didn't! The interaction of explicit world knowledge, implicit gender stereotypes, and discourse expectations. In G. van Bergen & J. Spenader (Eds.), *Proceedings of Discourse Expectations: Theoretical, Experimental and Computational perspectives (DETEC 2017)*. Max Planck Institute for Psycholinguistics. Nijmegen, Netherlands: Max Planck Institute for Psycholinguistics.

von der Malsburg, T., Poppels, T., & Levy, R. (2017b). The president will give her inauguration speech: explicit belief and implicit expectations in language production and comprehension. In E. Gibson, I. Blank, E. Fedorenko, R. Futrell, M. Kline, & R. Ryskin (Eds.), *Proceedings of the 30th annual cuny conference on human sentence processing*. Boston, MA, USA: Massachusetts Institute of Technology.

Schotter, E., Leinenger, M., & von der Malsburg, T. (2017a). Parafoveal and foveal information serve different purposes in reading: parafoveal is used for saccade programming, foveal for comprehension. In E. Gibson, I. Blank, E. Fedorenko, R. Futrell, M. Kline, & R. Ryskin (Eds.), *Proceedings of the 30th annual cuny conference on human sentence processing*. Boston, MA, USA: Massachusetts Institute of Technology.

Schotter, L., Leinenger, M., & von der Malsburg, T. (2017). The impact of forced fixations on word recognition: dissociation ofoculomotor behavior and linguistic processing. In H. Deubel, A. Nuthmann, S. Martinez-Conde, R. Radach, S. Everling, & U. Ettinger (Eds.), *Proceedings of the 19th european conference on eye movements (ecem)*. Bergische Universität Wuppertal. Wuppertal, Germany: Journal of Eye Movement Research.

von der Malsburg, T., Poppels, T., & Levy, R. (2017c). The president gave her inauguration speech: explicit belief and implicit expectations in language production and comprehension. In M. Baptista & A. Coetzee (Eds.), *91th annual meeting of the linguistics society of america*. Austin, Texas: Linguistic Society of America.

Angele, B. & von der Malsburg, T. (2016). Multiple comparisons and false positive rates in eye tracking studies of reading behaviour. In M. T. Bajo (Ed.), *Proceedings of the international meeting of the psychonomic society* (p. 112). Granada, Spain: Psychonomic Society.

Angele, B. & von der Malsburg, T. (2015b). False-positive rates in eyetracking studies with multiple dependent measures. In M. Perea, M. Vergara-Martínez, E. M. Rosa Martínez, P. Tejero, J. Roca Ruíz, I. Fajardo, . . . R. Abu Mallouh (Eds.), *Proceedings of the 12th symposium of psycholinguistics*. Valencia, Spain: Universitat de Valencia.

von der Malsburg, T. & Angele, B. (2015b). The rules of statistics make no exception for reading research: False positive rates in eyetracking studies of reading behavior. In A. Gatt & H. Mitterer (Eds.), *Proceedings of the 21th architectures and mechanisms for language processing conference (amlap)*. Valetta, Malta: University of Malta.

Metzner, P., von der Malsburg, T., Vasishth, S., & Rösler, F. (2014c). The relationship between regressive saccades and the P600 effect: Evidence from concurrent eye movement and EEG recordings. In N. Patson, S. Speer, L. Squires, R. Turnbull, L. Wagner, & A. Walker (Eds.), *Proceedings of the 27th annual cuny conference on human sentence processing*. Columbus, OH, USA: Ohio State University.

von der Malsburg, T., Vasishth, S., & Kliegl, R. (2013). Scanpaths in reading are tractable and informative. In K. Holmqvist, F. Mulvey, & R. Johansson (Eds.), *Proceedings of the 17th european conference on eye movements (ecem)* (p. 132). Lund University. Lund, Sweden: Journal of Eye Movement Research.

Metzner, P., von der Malsburg, T., Vasishth, S., & Rösler, F. (2013a). Oscillatory brain dynamics differ between natural reading and serial presentation. In K. Holmqvist, F. Mulvey, & R. Johansson (Eds.), *Proceedings of the 17th european conference on eye movements (ecem)* (p. 187). Lund University. Lund, Sweden: Journal of Eye Movement Research.

Metzner, P., von der Malsburg, T., Vasishth, S., & Rösler, F. (2013b). World-knowledge violations elicit different rhythmic brain activity in natural reading and serial presentation. In C. Frenck-Mestre, F.-X. Alario, N. Nguyen, P. Blache, & C. Meunier (Eds.), *Proceedings of the 19th architectures and mechanisms for language processing conference (amlap)* (p. 32). Marseilles, France: Aix-Marseille Université.

Paape, D., Vasishth, S., & von der Malsburg, T. (2013). Local coherence and digging-in effects in german. In F. Ferreira, A. Almor, & D.-B. den Ouden (Eds.), *Proceedings of the 26th annual cuny conference on human sentence processing* (p. 199). Columbia, SC, USA: University of South Carolina.

von der Malsburg, T. & Vasishth, S. (2011b). Strategies for dealing with attachment ambiguities in Spanish. In *Proceedings of the 10th symposium of psycholinguistics*. Basque Center on Cognition, Brain and Language. San Sebastián, Spain.

von der Malsburg, T. & Vasishth, S. (2010). Reanalysis strategies in temporarily ambiguous sentence – A scanpath analysis. In D. Bemis, J. Brennan, S. Dikker, I. Livitz, A. Marantz, B. McElree, . . . H. Rabagliati (Eds.), *Proceedings of the 23th annual cuny conference on human sentence processing* (p. 32). New York City, NY, USA: New York University.

von der Malsburg, T. & Vasishth, S. (2009b). Individual differences in scanpaths and reanalysis strategies while reading temporarily ambiguous sentences. In S. Liversedge (Ed.), *Proceedings of the 15th european conference on eye movements (ecem)*. University of Southampton. Southampton, UK: Journal of Eye Movement Research.

Proceedings, posters

Boyce, V., von der Malsburg, T., Poppels, T., & Levy, R. (2018). Implicit gender biases in the production and comprehension of pronominal references. In F. Ferreira, J. Henderson, T. Swaab, & M. Traxler (Eds.), *Proceedings of the 31th annual cuny conference on human sentence processing*. Davis, CA, USA: UC Davis.

Laurinavichyute, A. & von der Malsburg, T. (2018a). Agreement attraction in grammatical sentences. In F. Ferreira, J. Henderson, T. Swaab, & M. Traxler (Eds.), *Proceedings of the 31th annual cuny conference on human sentence processing*. Davis, CA, USA: UC Davis.

Laurinavichyute, A. & von der Malsburg, T. (2018b). Semantic attraction in sentence processing. In F. Ferreira, J. Henderson, T. Swaab, & M. Traxler (Eds.), *Proceedings of the 31th annual cuny conference on human sentence processing*. Davis, CA, USA: UC Davis.

Morgan, A., von der Malsburg, T., Ferreira, V., & Wittenberg, E. (2018b). This is the structure that we wonder why anyone produces it: Resumptive pronouns in English hinder comprehension. In F. Ferreira, J. Henderson, T. Swaab, & M. Traxler (Eds.), *Proceedings of the 31th annual cuny conference on human sentence processing*. Davis, CA, USA: UC Davis.

Stone, K., Vasishth, S., & von der Malsburg, T. (2018). Expectations and prediction in sentence comprehension: German particle verbs as a test case. In F. Ferreira, J. Henderson, T. Swaab, & M. Traxler (Eds.), *Proceedings of the 31th annual cuny conference on human sentence processing*. Davis, CA, USA: UC Davis.

Morgan, A., von der Malsburg, T., Ferreira, V., & Wittenberg, E. (2017). This is the structure that we wonder why anyone produces it: resumptive pronouns in english help production but hinder comprehension. In E. Gibson, I. Blank, E. Fedorenko, R. Futrell, M. Kline, & R. Ryskin (Eds.), *Proceedings of the 30th annual cuny conference on human sentence processing*. Boston, MA, USA: Massachusetts Institute of Technology.

Morgan, A., von der Malsburg, T., Ferreira, V., & Wittenberg, E. (2016). Resumptive pronouns hinder sentence comprehension in english. In M. Carreiras, S. Mancini, N. Molinaro, D. Davidson, S. Caffarra, & C. Martin (Eds.), *Proceedings of the 22th architectures and mechanisms for language processing conference (amlap)* (p. 98). Bizkaia Aretoa, Bilbao. Bilbao, Spain: Basque Center on Cognition, Brain and Language.

Angele, B. & von der Malsburg, T. (2015a). False positives in standard analyses of eye movements in reading. In U. Ansorge, T. Ditye, A. Florack, & H. Leder (Eds.), *Proceedings of the 18th european conference on eye movements (ecem)*. University of Vienna. Vienna, Austria: Journal of Eye Movement Research.

von der Malsburg, T. & Angele, B. (2015a). False-positive rates in eyetracking studies with multiple dependent measures. In E. Kaiser, T. Mintz, R. Pancheva, & J. Zevin (Eds.), *Proceedings of the 28th annual cuny conference on human sentence processing*. Los Angeles, CA, USA: University of Southern California.

von der Malsburg, T., Vasishth, S., Metzner, P., & Levy, R. (2015). How presentation modality influences reading comprehension. In E. Kaiser, T. Mintz, R. Pancheva, & J. Zevin (Eds.), *Proceedings of the 28th annual cuny conference on human sentence processing*. Los Angeles, CA, USA: University of Southern California.

von der Malsburg, T., Vasishth, S., & Levy, R. (2015). The impact of reading modality on sentence comprehension. In A. Gatt & H. Mitterer (Eds.), *Proceedings of the 21th architectures and mechanisms for language processing conference (amlap)*. Valetta, Malta: University of Malta.

von der Malsburg, T., Joseph, H., Troscianko, E., Kukkonen, K., & Nation, K. (2015). The influence of foreshadowing metaphors in a crime story by Ian Fleming. In A. Gatt & H. Mitterer (Eds.), *Proceedings of the 21th architectures and mechanisms for language processing conference (amlap)*. Valetta, Malta: University of Malta.

Metzner, P., von der Malsburg, T., Vasishth, S., & Rösler, F. (2014a). Different coping strategies in sentence processing can be disentangled using coregistered eye movements and brain potentials. In *Proceedings of the Sixth Annual Society for the Neurobiology of Language Conference*. Amsterdam, Netherlands: Society for the Neurobiology of Language.

Metzner, P., von der Malsburg, T., Vasishth, S., & Rösler, F. (2014b). Recovering from syntactic and semantic violations: the relationship between eye movements and brain responses. In M. Corley, H. Rabagliati, M. Nieuwland, P. Sturt, M. Pickering, & A. Martin (Eds.), *Proceedings of the 20th architectures and mechanisms for language processing conference (amlap)* (p. 101). Edinburgh, UK: University of Edinburgh.

von der Malsburg, T., Metzner, P., Vasishth, S., & Rösler, F. (2014). Using co-registration of eye movements and event-related brain potentials to study the processing of anaphoric dependencies. In N. Patson, S. Speer, L. Squires, R. Turnbull, L. Wagner, & A. Walker (Eds.), *Proceedings of the 27th annual cuny conference on human sentence processing* (p. 187). Columbus, OH, USA: Ohio State University.

von der Malsburg, T., Metzner, P., Vasishth, S., & Rösler, F. (2013). Co-registration of eye movements and brain potentials as a tool for research on reading and language comprehension. In K. Holmqvist, F. Mulvey, & R. Johansson (Eds.), *Proceedings of the 17th european conference on eye movements (ecem)* (p. 462). Lund University. Lund, Sweden: Journal of Eye Movement Research.

Marusch, T., von der Malsburg, T., Bastiaanse, R., & Burchert, F. (2013). Tempusmorphologie bei deutschen Agrammatikern: Die Sprachproduktion von regulären, irregulären und gemischten Verben. In *Spektrum patholinguistik* (Vol. 6, pp. 219–223). Potsdam, Germany: Universitätsverlag Potsdam.

Kobele, G., Lagrou, E., Engelmann, F., von der Malsburg, T., Musa, R., Gerth, S., . . . Hale, J. (2012). Incremental processing difficulty in cross-serial and nested verb cluster. In G. Egidi, U. Hasson, R. Job, F. Vespignani, & R. Zamparelli (Eds.), *Proceedings of the 18th architectures and mechanisms for language processing conference (amlap)* (p. 150). Riva del Garda, Italy. Trento, Italy: University of Trento.

von der Malsburg, T., Kliegl, R., & Vasishth, S. (2012). Determinants of scanpath regularity in reading. In D. Bradley, E. Fernández, & J. D. Fodor (Eds.), *Proceedings of the 25th annual cuny conference on human sentence processing* (p. 82). New York City, NY, USA: CUNY Graduate School and University Center.

von der Malsburg, T., Kliegl, R., & Vasishth, S. (2011). A scanpath measure reveals effects of age of reader and syntactic complexity of sentences. In F. Vitu, E. Castet, & L. Goffart (Eds.), *Proceedings of the 16th european conference on eye movements (ecem)* (p. 254). Université de Provence, Marseilles, France. Marseilles, France: Journal of Eye Movement Research.

von der Malsburg, T. & Vasishth, S. (2011a). Eye-movement strategies for dealing with garden-path sentences. In A. Fernald, M. C. Frank, D. Jurafsky, I. A. Sag, & T. Wasow (Eds.), *Proceedings of the 24th annual cuny conference on human sentence processing* (pp. 205–206). Stanford, CA, USA: Stanford University.

Vasishth, S., Drenhaus, H., & von der Malsburg, T. (2010). Integration difficulty and expectation-based syntactic comprehension. In D. Bemis, J. Brennan, S. Dikker, I. Livitz, A. Marantz, B. McElree, . . . H. Rabagliati (Eds.), *Proceedings of the 23th annual cuny conference on human sentence processing* (p. 111). New York City, NY, USA: New York University.

von der Malsburg, T. & Vasishth, S. (2009a). Analyzing spatio-temporal patterns in eye movements: A method and software. In M. Traxler & T. Swaab (Eds.), *Proceedings of the 22th annual cuny conference on human sentence processing*. Davis, CA, USA: Univeristy of California, Davis.

von der Malsburg, T. (2009). Choice of saccade detection algorithm has a considerable impact on eye tracking measures. In S. Liversedge (Ed.), *Proceedings of the 15th european conference on eye movements (ecem)*. University of Southampton. Southampton, UK: Journal of Eye Movement Research.

von der Malsburg, T. & Vasishth, S. (2009c). Readers use different strategies to recover from garden-paths. In *Processings of the Summer School on Embodied Language Games and Construction Grammar*. Evolutionary Linguistics Association. Cortona, Italy.

von der Malsburg, T. & Vasishth, S. (2008). A new method for analyzing eye movements in reading that is sensitive to spatial and temporal patterns in sequences of fixations. In P. Gordon (Ed.), *Proceedings of the 21th annual cuny conference on human sentence processing* (p. 118). Chapel Hill, NC, USA: Univerity of North Caroline at Chapel Hill.

von der Malsburg, T. & Vasishth, S. (2007). A time-sensitive similarity measure for scanpaths. In R. Kliegl & R. Engbert (Eds.), *Proceedings of the 14th European Conference on Eye Movements (ECEM)*. University of Potsdam. Potsdam, Germany: Journal of Eye Movement Research.

Scientific data

Rayner, K., Abbott, M. J., Schotter, E. R., Belanger, N. N., Higgins, E. C., Leinenger, M., . . . Plummer, P. (2015). Keith Rayner eye movements in reading data collection. UC San Diego Library Digital Collections.

Scientific software

von der Malsburg, T. (2015a). Saccades: An R package for detecting fixations in raw eye tracking data. Published on Zenodo.

von der Malsburg, T. (2015b). Py-Span-Task: A software for testing working memory span. Published on Zenodo.

von der Malsburg, T. (2015c). Scanpath: An R package for analyzing scanpaths. Published on Zenodo.

Outreach and creative works

Schurer, B. & von der Malsburg, T. (2017). Automatic reading (obfuscation). In L. Ribas & R. Taveira (Eds.), *Proceedings of the fifth conference on Computation, Communication, Aesthetics and X*. Eye-tracking and sound installation. Lisbon, Portugal: The xCoAx 2017 organizing committee.

Illing, C. & von der Malsburg, T. (2015). Brain decomposition. Einraumhaus C/O, Mannheim, Germany. 17–26 Apr. 2015. Sound installation.

Illing, C. & von der Malsburg, T. (2014). Brain decompositions. Sound Dome of the Centre for Art and Media (ZKM), Karlsruhe, Germany. 13 Dec. 2014. Performance.

von der Malsburg, T. & Illing, C. (2014). Dem Gehirn zuhören. Wissenschaftsetage im Bildungsforum. Sound installation part of an exhibition about science in the state of Brandenburg.

von der Malsburg, T. & Illing, C. (2013). Decomposing electric brain potentials for audification on a matrix of speakers. In M. Verdicchio & M. Carvalhais (Eds.), *Proceedings of the first conference on Computation, Communication, Aesthetics and X* (pp. 305–307). Sound installation. Bergamo, Italy: The xCoAx 2013 organizing committee.

Invited talks

- University of Tübingen, Dept. Linguistics, 2018
- University of Saarbrücken, Dept. Linguistics, 2018
- Free University, Berlin, Dept. Psychology, 2018
- Max Planck Institute for Human Development, Berlin, 2017
- University of Osnabrück, Dept. Cognitive Science, 2016
- University of Oxford, Dept. Experimental Psychology, 2015
- University of Reading, Dept. Psychology, 2015
- UC San Diego, Dept. Cognitive Science, 2014
- Bournemouth University, Dept. Psychology, 2014
- University of Southampton, Dept. Psychology, 2014
- Radboud University, Dept. Psychology, 2014
- International Symposium Developmental Eyetracking Research in Reading, 2013
- Center for Interdisciplinary Research, Bielefeld, 2013
- University of Massachusetts, Amherst, Dept. Psychology, 2010

Workshops organized

- Eye-tracking Methods for Linguists, Center for Language and Brain, Higher School of Economics, Moscow (May 2018)

Reviewing

Funding agencies:
- US National Science Foundation (NSF)
- French National Research Agency (ANR)

Scientific journals:
- Cortex
- Discourse Processes
- International Journal of Human-Computer Studies
- Journal of Experimental Psychology: General
- Journal of Experimental Psychology: Human Perception and Performance
- Journal of Experimental Psychology: Learning, Memory, and Cognition
- Journal of Memory and Language
- Memory and Cognition
- Nature: Scientific Reports
- NeuroImage
- Neuropsychologia
- PLOS|ONE
- Quarterly Journal of Experimental Psychology
- Topics in Cognitive Science

Conferences:
- ACL: Annual Meeting of the Association for Computational Linguistics
- AMLaP: Architectures and Mechanisms for Language Processing
- CMCL: Cognitive Modeling and Computational Linguistics
- COLING: International Conference on Computational Linguistics
- CogSci: Conference of the Cognitive Science Society
- CUNY: Conference on Human Sentence Processing
- LSA: Linguistic Society of America
- xCoAx: Computation, Communication, Aesthetics, and X

Competitive grants and awards

2017	Travel grant, German Academic Exchange Service (DAAD)
2014–2016	Two-year Research Fellowship, Alexander von Humboldt Foundation
2008–2011	PhD scholarship, University of Potsdam

Graduate advising

2017	Diana Michl, doctoral thesis
2017	Kate Stone, doctoral thesis
2017	Kirk Gallardo, M.Sc. thesis
2017	Robin Schäfer, M.Sc. thesis
2017	Alexandra Lorson, M.Sc. thesis
2012–2015	Dr. Paul Metzner, doctoral thesis
2013	Dario Paape, M.Sc.
2013	Nora Kovacs, M.Sc.

Memberships

- Association for Psychological Science
- Society of the Fellows of the Alexander von Humboldt Foundation
- German Linguistic Society

- Linguistic Society of America
- Psychonomic Society

Technical skills

- Deep understanding of **eye-tracking** methodology. Wrote multiple software packages for processing eye-tracking data.
- **Event-related brain potentials** / **EEG**. Set up two EEG labs from scratch. Wrote software for ERP data processing and statistical testing.
- Highly proficient in programming languages including but not limited to **Python, R, C, and Java**.
- Experienced with data management **workflows for very large data sets** (e.g., Tidyverse system for R).
- Deep understanding of **Unix operating systems** such as GNU Linux and OS X.
- Experience with **large-scale cluster computers**.
- Bayesian statistical modeling, e.g., using the **Stan system for Bayesian inference**, Hamiltonian Monte Carlo.
- **Literate programming** using LaTeX and Knitr among others.
- Highly experienced with **project management tools**, such as git, wikis, etc.

References

- Reinhold Kliegl, University of Potsdam, kliegl@uni-potsdam.de
- Roger Levy, Massachusetts Institute of Technology, rplevy@mit.edu
- Kate Nation, University of Oxford, kate.nation@psy.ox.ac.uk
- Shravan Vasishth, University of Potsdam, vasishth@uni-potsdam.de

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