

# JUN.-PROF. DR. TITUS VON DER MALSBURG

## CURRICULUM VITAE

---

Address:	Institute of Linguistics University of Stuttgart Keplerstraße 17 70174 Stuttgart	Homepage: <a href="https://tmalsburg.github.io">tmalsburg.github.io</a> GitHub: <a href="https://github.com/tmalsburg">github.com/tmalsburg</a> OSF: <a href="https://osf.io/pfkez">osf.io/pfkez</a> ORCID: 0000-0001-5925-5145
E-mail:	<a href="mailto:titus.von-der-malsburg@ling.uni-stuttgart.de">titus.von-der-malsburg@ling.uni-stuttgart.de</a>	

---

## Academic employment

2021 –	<b>University of Stuttgart</b> , Junior Professor (tenure track) for Psycholinguistics and Cognitive Modeling Institute of Linguistics <i>Positive interim evaluation in Jan 2025.</i>
2018 – 2021	<b>University of Potsdam</b> , Researcher and Lecturer Department of Linguistics
04 – 08/2019	– Parental leave –
2016 – 2018	<b>University of Potsdam</b> , Visiting Professor for Psycho- and Neurolinguistics Department of Linguistics
2014 – 2016	<b>UC San Diego</b> , Research Fellow Department of Psychology, Department of Linguistics Funded through two-year grant awarded to me by the Alexander von Human Foundation Supervisors: Keith Rayner, Roger Levy
2014	<b>University of Oxford</b> , Research Associate St John's College, Department of Experimental Psychology Supervisor: Kate Nation
2012 – 2013	<b>University of Potsdam</b> , Postdoctoral Researcher DFG Research Group 868: <i>Mind and Brain Dynamics</i> Supervisors: Shravan Vasishth, Frank Rösler

## Education

2008 – 2012	<b>Dr. phil. in Cognitive Science</b> (grade: summa cum laude) University of Potsdam Advisors: Shravan Vasishth, Reinhold Kliegl
2009	Summer School on Embodied Language Games and Construction Grammar, Cortona, Italy
2008	15th International Summer School in Cognitive Science, New Bulgarian University in Sofia, Bulgaria
2005, 2006	Interdisciplinary college, spring school on neurobiology, neuroinformatics, cognitive science, artificial intelligence, robotics, and philosophy, Günne, Germany
2005 – 2008	Diploma program Computational Linguistics University of Potsdam

2003 – 2005	<b>B.A. in Computational Linguistics</b> (grade: very good) University of Tübingen Advisor: Frank Richter
2001 – 2003	Computational Linguistics, Mathematics, Computer Science University of Heidelberg

## Media coverage

- New York Times (25.1.2020): *She's the Next President. Wait, Did You Read That Right?*
- In Her Words, New York Times newsletter on women, gender and society (4.2.2020): *Surprise! Language is sexist.*
- WNYC Studios, The Takeaway: America's weekday conversation (podcast, 29.1.2020): *Could "She" Be President? A Look at Pronoun Bias in Politics*
- MIT News (8.1.2020): *"She" goes missing from presidential language.* Also reported by ScienceDaily, AAAS EurekaAlert!, and Phys.org.
- Kunstjahr 2013 – Die Zeitschrift, die Bilanz zieht, Lindinger + Schmid. Article about my science/art cross-over project with sound artist Christoph Illing.

## Editor and reviewer

### *Journal editor:*

1. Associate Editor at *Language* (2020–2024)

### *Reviewer for funding agencies:*

1. Belgian Fund for Scientific Research (FNRS)
2. French National Research Agency (ANR)
3. German Research Foundation (DFG)
4. Israel Science Foundation (ISF)
5. Swiss National Science Foundation (SNF)
6. UK Economic and Social Research Council (ESRC)
7. UK Arts and Humanities Research Council (AHRC)
8. US National Science Foundation (NSF)

### *Reviewer for journals:*

1. Behavior Research Methods
2. Cognitive Psychology
3. Cognitive Science
4. Cortex
5. Dialogue and Discourse
6. Discourse Processes
7. Frontiers in Psychology
8. Glossa: A journal of general linguistics
9. International Journal of Human-Computer Studies
10. JEP: General
11. JEP: Human Perception and Performance
12. JEP: Learning, Memory, and Cognition

13. Journal of Experimental Child Psychology
14. Journal of Eye Movement Research
15. Journal of Memory and Language
16. Laboratory Phonology: Journal of the Association for Laboratory Phonology
17. Language, Cognition, and Neuroscience
18. Memory and Cognition
19. Nature: Scientific Reports
20. NeuroImage
21. Neuropsychologia
22. Open Mind
23. PeerJ – Section Brain and Cognition
24. Psychological Review
25. PLOS|ONE
26. Quarterly Journal of Experimental Psychology
27. Science
28. Scientific Studies of Reading
29. Topics in Cognitive Science
30. Visual Cognition

#### *Program committee / meta-reviewer*

1. CogSci: Conference of the Cognitive Science Society

#### *Reviewer for conferences:*

1. ACL: Annual Meeting of the Association for Computational Linguistics
2. AMLaP: Architectures and Mechanisms for Language Processing
3. AMLaP Asia: Architectures and Mechanisms for Language Processing, Asian edition
4. CMCL: Cognitive Modeling and Computational Linguistics
5. COLING: International Conference on Computational Linguistics
6. CogSci: Conference of the Cognitive Science Society
7. CUNY: Conference on Human Sentence Processing
8. DETEC: Discourse Expectations: Theoretical, Experimental, and Computational perspectives
9. Linguistic Evidence
10. LSA: Linguistic Society of America
11. xCoAx: Computation, Communication, Aesthetics, and X

#### **Conferences and workshops organized**

- |      |  |
|------|--|
| 2025 | <i>3rd Workshop on Predicting Reading Comprehension from Eye Movements.</i> University of Stuttgart. Co-organized with Lena Jäger and Yevgeni Berzak.      |
| 2024 | <i>2nd Workshop on Predicting Reading Comprehension from Eye Movements.</i> University of Zurich. Co-organized with Lena Jäger and Yevgeni Berzak.         |
| 2023 | <i>1st Workshop on Predicting Reading Comprehension from Eye Movements.</i> University of Zurich. Co-organized with Lena Jäger.                            |
| 2020 | <i>Architectures and Mechanisms for Language Processing, AMLaP 2020.</i> University of Potsdam. Co-chaired with Isabell Wartenburger and Shravan Vasishth. |

- 2018 *Workshop on designing experiments with Python and OpenSesame.* University of Potsdam. Collaborative Research Center: Limits of Variability in Language (SFB 1287), University of Potsdam.
- 2018 *Workshop on Eye-tracking Methods for Linguists.* Center for Language and Brain, HSE Moscow. Co-organized with Anna Laurinavichyute.
- 2017 *Symposium on Mixed-effects Models in Cognitive Psychology.* ESCoP 2017 workshop co-organized with Audrey Bürki.

## Grants

Duration	Title	Amount
2025 – 2028	Grammar or Working Memory? Incremental Processing of Resumptive Pronouns in Hebrew, Standard German, and Alemannic German, DFG-ISF Cooperation	
	DFG Contribution	240460
	ISF Contribution	124000
2023 – 2024	Seed funding in program <i>Reflecting Intelligent Systems for Diversity, Demography, and Democracy (IRIS3D)</i> (with Dr. Michael Roth)	105000
2014 – 2016	Research Fellowship, Alexander von Humboldt Foundation	110000
	Sum:	579460

## Awards

- Research award 2024 of the University of Stuttgart for this paper: Ranjan & von der Malsburg (2023). *A bounded rationality account of dependency length minimization in Hindi.* In M. Goldwater, F. Anggoro, B. Hayes, & D. Ong, Proceedings of the 45th Annual Meeting of the Cognitive Science Society. Sidney, Australia: Cognitive Science Society.
- Paper award 2023 of the Cognitive Science Society: Ranjan & von der Malsburg (2023). *A bounded rationality account of dependency length minimization in Hindi.* In M. Goldwater, F. Anggoro, B. Hayes, & D. Ong, Proceedings of the 45th Annual Meeting of the Cognitive Science Society. Sidney, Australia: Cognitive Science Society.
- Top cited paper in Cognitive Science in 2022 and 2023: Laurinavichyute, & von der Malsburg (2022). *Semantic attraction in sentence comprehension.* Cognitive Science, 46(2), 13086. <http://dx.doi.org/10.1111/cogs.13086>
- Top downloaded paper in Cognitive Science in 2022: Laurinavichyute, & von der Malsburg (2022). *Semantic attraction in sentence comprehension.* Cognitive Science, 46(2), 13086. <http://dx.doi.org/10.1111/cogs.13086>

## Collaborators

Colleagues with whom I have received project funding or with whom I have co-authored publications including conference presentations and papers under review. Alphabetical order, last known academic affiliation.

Chelsea Ajunwa (MIT), Bernhard Angele (Bournemouth University), Roelien Bastiaanse (University of Groningen), Timo Baumann (University of Hamburg), Bruno Bianchi (University

of Buenos Aires), Idan Blank (UC Los Angeles), Veronica Boyce (Stanford), Frank Burchert (University of Potsdam), Julia Carden (University of Buenos Aires), Heiner Drenhaus (Saarland University), Felix Engelmann (University of Manchester), Nicola Fanton (University of Stuttgart), Evelina Fedorenko (MIT), Victor Ferreira (UC San Diego), Richard Futrell (UC Irvine), Sabrina Gerth (University of Potsdam), Edward Gibson (MIT), John Hale (Franklin College of Arts and Sciences), Daniel Hole (University of Stuttgart), Christoph Illing (sound artist), Lena Jäger (University of Zürich), Virginia Jaichenco (University of Buenos Aires), Holly Joseph (University of Reading), Evelyne Lagrou (Ghent University), Mallory Leinenger (Amazon), Rodrigo Loredo (University of Buenos Aires), Juan Kamienkowski (University of Buenos Aires), Reinhold Kliegl (University of Potsdam), Gregory Kobele (University of Leipzig), Karin Kukkonen (University of Oslo), Sol Lago (University of Frankfurt), Hend Lahoud (University of Haifa), Anna Laurinavichyute (University of Potsdam), Roger Levy (MIT), Anastasiya Lopukhina (Higher School of Economics, Moscow), Tina Marusch (University of Potsdam), Genevieve McArthur (Macquarie University), Paul Metzner (University of Potsdam), Marie-Christine Meyer (ZAS, Berlin), Diane Mézière (Macquarie University), James Michaelov (MIT), Adam Morgan (UC San Diego), Ryan Musa (University of Illinois), Kate Nation (University of Oxford), Dario Paape (University of Potsdam), Sebastian Padó (University of Stuttgart), Elizabeth Pankratz (University of Edinburgh), Olga Parshina (City University of New York), Till Poppels (UC San Diego), Anna Pryslopska (University of Stuttgart), Sidharth Ranjan (University of Stuttgart), Eric Reichle (Macquarie University), Frank Rösler (University of Hamburg), Michael Roth (University of Stuttgart), Robin Schäfer (University of Potsdam), David Schlangen (University of Potsdam), Liz Schotter (University of South Florida), Bernd Schurer (composer), Irina Sekerina (City University of New York), Cory Shain (Ohio State University), Diego Shalom (University of Buenos Aires), David Share (University of Haifa), Nathaniel Smith (UC Berkeley), Michaela Socolof (MIT), Kate Stone (University of Potsdam), Emily Troscianko (University of Oxford), Shravan Vasishth (University of Potsdam), Ruben van de Vijver (University of Düsseldorf), Jacob Vigly (MIT), Leila Wehbe (Carnegie Mellon University), Eva Wittenberg (UC San Diego), Himanshu Yadav (University of Potsdam), Lili Yu (Macquarie University)

## Supervision

### *Current:*

2025 –	Qibi Wang	PhD
2025 –	Ondřej Drobil	PhD
2025 –	Candy Adusei	PhD
2025 –	Mohammed Said (English Linguistics)	MA
2025 –	Mehtap Akyel (English Linguistics)	MA
2022 –	Dr. Anna Pryslopska	Postdoc

### *Past:*

2024 – 2025	Takumi Kobayashi (English Linguistics)	MA
2023 – 2024	Ana Carolina Gueler (English Linguistics)	MA
2022 – 2024	Dr. Sidharth Ranjan	Postdoc
2023 – 2024	Candy Adusei (English Linguistics)	MA
2019 – 2022	Dr. Diane Mézière (Clinical Linguistics)	PhD
2020 – 2021	Lilly Roth (Psychology)	MSc

2021 – 2022	Stephanie Lukau (Linguistics)	BA
2021	Julia Lezlow (Linguistics)	BA
2021	Elizabeth Pankratz (Cognitive Systems)	MSc
2017 – 2021	Dr. Anna Laurinavichyute (Linguistics)	PhD
2017 – 2020	Dr. Kate Stone (Linguistics)	PhD
2019 – 2020	Friederike Hechler (Linguistics)	MSc
2019 – 2020	Christin Schütze (Linguistics)	MSc
2018	Dr. Alexandra Lorson (Linguistics)	MSc
2017 – 2018	Robin Schäfer (Clinical Linguistics)	MSc
2017 – 2018	Kirk Gallardo (Clinical Linguistics)	MSc
2013	Dr. Dario Paape (Linguistics)	MSc
2013	Nora Kovacs (Clinical Linguistics)	MSc
2013	Ehud Avner (Computational Linguistics)	Diplom

## Teaching

Course title	Term
Human sentence processing	Winter 2025
Psycholinguistics of neural language models (with S. Padó)	Winter 2025
Introduction to data analysis	Summer 2025
Acquisition and analysis of eye-tracking data (with B. Ehinger, J. Schepers)	Summer 2025
Human sentence processing	Winter 2024
Psycholinguistics of neural language models (with S. Padó)	Winter 2024
Research colloquium: Experimental (psycho)linguistics	Summer 2024
Acquisition and analysis of eye-tracking data (with B. Ehinger, J. Schepers)	Summer 2024
Research colloquium: Computational and experimental (psycho)linguistics	Winter 2023
Bayesian data analysis and causal inference in R (with S. Ranjan)	Winter 2023
Human sentence processing	Winter 2023
Psycholinguistics of neural language models (with S. Padó, S. Ranjan)	Summer 2023
Acquisition and analysis of eye-tracking data (with B. Ehinger, J. Schepers)	Summer 2023
Human sentence comprehension	Winter 2022
Corpus methods in psycholinguistics (with S. Ranjan)	Winter 2022
Introduction to statistical data analysis	Summer 2022
Psycholinguistics of neural language models (with S. Padó)	Summer 2022
Acquisition and analysis of eye-tracking data (with B. Ehinger, J. Schepers)	Winter 2021
Human sentence comprehension	Winter 2021
Introduction to statistical data analysis	Summer 2021
Human sentence comprehension	Summer 2021
Foundations of mathematics	Winter 2020
Human sentence processing	Winter 2020
Introduction to statistical data analysis	Summer 2020
Human sentence processing	Summer 2020
Foundations of mathematics	Winter 2019
Bayesian data analysis	Winter 2019
Eyetracking in psycholinguistic research	Winter 2018
Foundations of mathematics	Winter 2018
Bayesian data analysis	Summer 2017

Continued on next page

Continued from previous page

Course title	Term
Advanced topics in sentence processing	Summer 2017
Statistical data analysis (advanced): Linear modeling	Summer 2017
Comprehension of temporarily ambiguous sentences	Summer 2017
Agreement attraction in sentence comprehension	Winter 2017
Colloquium in sentence comprehension	Winter 2017
Introduction to statistical data analysis	Winter 2017
Comprehension of relative clauses	Winter 2017
Advanced topics in sentence processing	Summer 2017
Introduction to statistical data analysis	Summer 2017
Advanced statistical data analysis: Linear modeling	Summer 2017
Comprehension of temporarily ambiguous sentences	Summer 2017
Agreement attraction in sentence comprehension	Winter 2016
Advanced topics in sentence comprehension	Winter 2016
Scientific computing in R	Winter 2016
Comprehension of relative clauses	Winter 2016
Advanced topics in psycholinguistics	Summer 2013

## Memberships

- Cognitive Science Society (CSS)
- Free Software Foundation (FSF)
- German Association of University Professors and Lecturers (DHV)
- German Linguistic Society (DGfS)
- Linguistic Society of America (LSA)
- Society of the Fellows of the Alexander von Humboldt Foundation (DGH)

## Publications

### Manuscripts:

- Meyer, M.-C., & von der Malsburg, T. (2024). *The role of conversational principles in cognitive biases: The case of overprecision in interval estimation.*
- Hole, D., & von der Malsburg, T. (2023). *Patterns in the phonology of Mandarin Chinese: Basic color terms and beyond.*
- Pankratz, E., von der Malsburg, T., & Vasishth, S. (2022b). *Shannon entropy is a more comprehensive and principled morphological productivity measure than the standard alternatives.*

### Journal articles:

Journals in which I have published: Cerebral Cortex, Cognition, Cognitive Science, Journal of Cognitive Neuroscience, Journal of Experimental Psychology: Learning, Memory, and Cognition, Journal of Memory and Language, Journal of Semantics, Language and Cognitive Processes, Neuroscience, PeerJ, PLOS ONE, Psychological Science, Psychonomic Bulletin & Review, Reading Research Quarterly, Scientific Studies of Reading, The Mental Lexicon, Wiley Interdisciplinary Reviews: Cognitive Science.

- Mézière, D., Yu, L., von der Malsburg, T., Reichle, E., & McArthur, G. (2025). Using eye movements from a 'read-only' task to predict text comprehension [Accepted for publication]. *Reading Research Quarterly*.
- Laurinavichyute, A., & von der Malsburg, T. (2024). Agreement attraction in grammatical sentences and the role of the task. *Journal of Memory and Language*, 137, 104525. <https://doi.org/10.1016/j.jml.2024.104525>
- Bianchi, B., Loredo, R., da Fonseca, M., Carden, J., Jaichenco, V., von der Malsburg, T., Shalom, D. E., & Kamienkowski, J. (2023). Neural bases of predictions during natural reading of known statements: An electroencephalography and eye movements co-registration study. *Neuroscience*, 519, 131–146. <https://doi.org/10.1016/j.neuroscience.2023.03.024>
- Mézière, D. C., Yu, L., McArthur, G., Reichle, E. D., & von der Malsburg, T. (2023). Scanpath regularity as an index of reading comprehension. *Scientific Studies of Reading*, 28(1), 79–100. <https://doi.org/10.1080/10888438.2023.2232063>
- Mézière, D. C., Yu, L., Reichle, E. D., von der Malsburg, T., & McArthur, G. (2023). Using eye-tracking measures to predict reading comprehension. *Reading Research Quarterly*, 58(3), 425–449. <https://doi.org/10.1002/rrq.498>
- Stone, K., Vasishth, S., & von der Malsburg, T. (2022). Does entropy modulate the prediction of German long-distance verb particles? *PLOS ONE*, 17(8), e0267813. <https://doi.org/10.1371/journal.pone.0267813>
- Laurinavichyute, A., & von der Malsburg, T. (2022). Semantic attraction in sentence comprehension. *Cognitive Science*, 46(2), e13086. <https://doi.org/10.1111/cogs.13086>
- Parshina, O., Sekerina, I., Lopukhina, A., & von der Malsburg, T. (2022). Monolingual and bilingual reading strategies in Russian: An exploratory scanpath analysis. *Reading Research Quarterly*, 57(2). <https://doi.org/10.1002/rrq.414>
- Wehbe, L., Blank, I. A., Shain, C., Futrell, R., Levy, R., von der Malsburg, T., Smith, N., Gibson, E., & Fedorenko, E. (2021). Incremental language comprehension difficulty predicts activity in the language network but not the multiple demand network. *Cerebral Cortex*, 31(9), 4006–4023. <https://doi.org/10.1093/cercor/bhab065>
- von der Malsburg, T., Poppels, T., & Levy, R. P. (2020). Implicit gender bias in linguistic descriptions for expected events: The cases of the 2016 United States and 2017 United Kingdom elections. *Psychological Science*, 31(2), 115–128. <https://doi.org/10.1177/0956797619890619>
- Morgan, A. M., von der Malsburg, T., Ferreira, V. S., & Wittenberg, E. (2020). Shared syntax between comprehension and production: Multi-paradigm evidence that resumptive pronouns hinder comprehension. *Cognition*, 205, 104417. <https://doi.org/10.1016/j.cognition.2020.104417>
- Paape, D., Vasishth, S., & von der Malsburg, T. (2020). Quadruplex negatio invertit? The online processing of depth charge sentences. *Journal of Semantics*, 37(4), 509–555. <https://doi.org/10.1093/jos/ffaa009>
- Stone, K., von der Malsburg, T., & Vasishth, S. (2020b). The effect of decay and lexical uncertainty on processing long-distance dependencies. *PeerJ*, 8:e10438. <https://doi.org/10.31219/osf.io/xrm43>
- Schotter, E., Leinenger, M., & von der Malsburg, T. (2018). When your mind ignores what your eyes see: How forced fixations lead to comprehension illusions in reading. *Psychonomic Bulletin & Review*, 25(5), 1884–1890. <https://doi.org/10.3758/s13423-017-1356-y>
- 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*, 45(5), 677–688. <https://doi.org/10.1037/xlm0000617>

- von der Malsburg, T., & Angele, B. (2017). False positives and other statistical errors in standard analyses of eye movements in reading. *Journal of Memory and Language*, 94, 119–133. <https://doi.org/10.1016/j.jml.2016.10.003>
- 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. <https://doi.org/10.1111/cogs.12384>
- von der Malsburg, T., Kliegl, R., & Vasishth, S. (2015). Determinants of scanpath regularity in reading. *Cognitive Science*, 39(7), 1675–1703. <https://doi.org/10.1111/cogs.12208>
- 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. [https://doi.org/10.1162/jocn\\_a\\_00731](https://doi.org/10.1162/jocn_a_00731)
- von der Malsburg, T., & Vasishth, S. (2013). Scanpaths reveal syntactic underspecification and reanalysis strategies. *Language and Cognitive Processes*, 28(10), 1545–1578. <https://doi.org/10.1080/01690965.2012.728232>
- 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. <https://doi.org/10.1002/wcs.1209>
- 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. <https://doi.org/10.1075/ml.7.3.05mar>
- von der Malsburg, T., & Vasishth, S. (2011a). What is the scanpath signature of syntactic reanalysis? *Journal of Memory and Language*, 65(2), 109–127. <https://doi.org/10.1016/j.jml.2011.02.004>

#### *Proceedings articles:*

- Fanton, N., Ranjan, S., von der Malsburg, T., & Roth, M. (2025, July). A diachronic analysis of human and model predictions on audience gender in how-to guides. In C. Basta, M. R. Costa-jussà, A. Faleńska, D. Nozza, & K. Stańczak (Eds.), *6th workshop on gender bias in natural language processing*.
- Pryślopska, A., & von der Malsburg, T. (2024d). Severe storm warnings for four-story homeowners: Towards a processing model of bracketing paradoxes. In L. K. Samuelson, S. Frank, M. Toneva, A. Mackey, & E. Hazeltine (Eds.), *Proceedings of the 46th Annual Meeting of the Cognitive Science Society*. Cognitive Science Society.
- Ranjan, S., & von der Malsburg, T. (2024b). Work smarter ... not harder: Efficient minimization of dependency length in SOV languages. In L. K. Samuelson, S. Frank, M. Toneva, A. Mackey, & E. Hazeltine (Eds.), *Proceedings of the 46th Annual Meeting of the Cognitive Science Society*. Cognitive Science Society.
- Ranjan, S., & von der Malsburg, T. (2023b). A bounded rationality account of dependency length minimization in Hindi. In M. Goldwater, F. Anggoro, B. Hayes, & D. Ong (Eds.), *Proceedings of the 45th annual meeting of the cognitive science society*. Cognitive Science Society.
- Marusch, T., von der Malsburg, T., Bastiaanse, R., & Burchert, F. (2013). Tempusmorphologie bei deutschen Agrammatikern: Die Sprachproduktion von regulären, irregulären und gemischten Verben. *Spektrum Patholinguistik*, 6, 219–223.
- 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). 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. *Proceedings of the SIGDIAL 2009 Conference: The 10th Annual Meeting of the Special Interest Group on Discourse and Dialogue*, 302–305.

#### *Conference talks:*

- Mézière, D., Yu, L., von der Malsburg, T., Reichle, E., & McArthur, G. (2024, August). Eye movements from a ‘read-only’ task predict reading comprehension as measured by recall. In R. Reilly & R. Radach (Eds.), *Proceedings of the 22th European Conference on Eye Movements (ECEM)*. Journal of Eye Movement Research.
- Pryslapska, A., Ehinger, B., & von der Malsburg, T. (2024, August). Concurrent comparison of EyeLink 1000+ and TRACKPixx3 on a benchmark test battery. In R. Reilly & R. Radach (Eds.), *Proceedings of the 22th European Conference on Eye Movements (ECEM)*. Journal of Eye Movement Research.
- Ranjan, S., & von der Malsburg, T. (2024a, February). A bounded rationality account of constituent order in SOV languages. In D. Georgi, I. Wartenburger, A. Gafos, A. Hözl, & R. B. Araujo (Eds.), *Proceedings of Linguistic Evidence 2024*. University of Potsdam.
- Pryslapska, A., & von der Malsburg, Titus. (2024). Semantics vs agreement: What determines the interpretation of German bracketing paradoxes? In H. Rohde, C. Cummins, P. Hoffman, J. Culbertson, K. Smith, V. Chondrogianni, M. Corley, M. Pickering, D. Mirman, P. Sturt, H. Rabagliati, F. Keller, & C. Lucas (Eds.), *Proceedings of the 30th Architectures and Mechanisms for Language Processing Conference (AMLaP)*. University of Edinburgh.
- Ranjan, S., & von der Malsburg, T. (2024b). Work smarter … not harder: Efficient minimization of dependency length in SOV languages. In L. K. Samuelson, S. Frank, M. Toneva, A. Mackey, & E. Hazeltine (Eds.), *Proceedings of the 46th Annual Meeting of the Cognitive Science Society*. Cognitive Science Society.
- Laurinavichyute, A., Yadav, H., von der Malsburg, Titus, & Vasishth, S. (2023). The role of goal in sentence processing. In M. Carreiras, C. Martin, A. Stoehr, I. Quiñones, S. Mancini, A. Carrión-Castillo, E. Kapnoula, & B. Costello (Eds.), *Proceedings of the 29th Architectures and Mechanisms for Language Processing Conference (AMLaP)*. Basque Center on Cognition, Brain, Language.
- Mézière, D., Yu, L., Reichle, E., von der Malsburg, T., & McArthur, G. (2023). Predicting recall performance from eye movements during normal reading. In G. McArthur, A. Castles, & R. Parrila (Eds.), *Proceedings of the Twenty-Seventh Annual Meeting of the Society for the Scientific Study of Reading*. Society for the Scientific Study of Reading.
- Pankratz, E., von der Malsburg, T., & Vasishth, S. (2022a, February). An entropy-based approach to measuring morphological productivity. In C. Maienborn & M. Averintseva-Klisch (Eds.), *44st Annual Conference of the German Linguistic Society*.
- Mézière, D., Yu, L., Reichle, E., von der Malsburg, T., & McArthur, G. (2022a). Scanpath regularity as a measure of reading comprehension ability. In N. McIntyre, I. Coombs, A. Peters, T. Törmänen, & L. Catrysse (Eds.), *Proceedings of the EARLI Special Interest Group on Online Measures of Learning Processes (SIG27)*. University of Southampton.
- Mézière, D., Yu, L., Reichle, E., von der Malsburg, T., & McArthur, G. (2022b). Scanpath regularity as a predictor of performance on reading comprehension assessments. In D. Barrett, V. McGowan, A. Pagan, K. Paterson, F. Proudlock, D. Souto, & M. Thomas

- (Eds.), *Proceedings of the 21th European Conference on Eye Movements (ECEM)*. University of Leicester.
- Laurinavichyute, A., & von der Malsburg, T. (2021). Agreement attraction in grammatical sentences arises only in the good-enough processing mode. *Proceedings of Linguistic Illusions in Sentence Processing 2021*.
- Parshina, O., Sekerina, I., Lopukhina, A., & von der Malsburg, T. (2020, September). Reading strategies in monolingual adults and children vs. bilingual heritage and 12 speakers of Russian: A scanpath analysis. In T. von der Malsburg, S. Vasishth, & I. Wartenburger (Eds.), *Proceedings of the 26th Architectures and Mechanisms for Language Processing Conference (AMLaP)*. Universität Potsdam.
- Mézière, D., Yu, L., Reichle, E., von der Malsburg, T., & McArthur, G. (2020b). A comparison of three reading comprehension tests using eye movements. In C. Connor (Ed.), *Proceedings of the Twenty-Seventh Annual Meeting of the Society for the Scientific Study of Reading*. Society for the Scientific Study of Reading.
- Boyce, V., von der Malsburg, T., Poppels, T., & Levy, R. (2019a, March). Remember 'him', forget 'her': Gender bias in the comprehension of pronominal referents. In E. Colunga, A. Kim, L. Michaelis, & B. Narasimhan (Eds.), *Proceedings of the 32th Annual CUNY Conference on Human Sentence Processing*. University of Colorado Boulder.
- Stone, K., Vasishth, S., & von der Malsburg, T. (2019b). Comprehenders generate long-distance predictions during reading: ERP evidence from verb-particle constructions. In M. Whelpton, J. Jalbert, A. Beretta, S. Sigurjónsdóttir, Þ. Eyþórsson, Ó. Jóhannesson, A. Shaw, & Í. E. Nowensteiner (Eds.), *Proceedings of Psycholinguistics in Iceland – Parsing and Prediction*. University of Iceland.
- Morgan, A., von der Malsburg, T., Ferreira, V., & Wittenberg, E. (2018c, February). 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*. University of Hyderabad.
- Morgan, A., von der Malsburg, T., Ferreira, V., & Wittenberg, E. (2018d). This is the structure that we wonder why anyone produces it: Resumptive pronouns in English hinder sentence comprehension. *California Meeting on Psycholinguistics (CAMP)*.
- Schotter, L., Leinenger, M., & von der Malsburg, T. (2017, August). The impact of forced fixations on word recognition: Dissociation of oculomotor 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)*. Journal of Eye Movement Research.
- von der Malsburg, T., Poppels, T., & Levy, R. (2017a, June). 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.
- von der Malsburg, T., Poppels, T., & Levy, R. (2017b, March). The president will give her inauguration speech: Explicit belief and implicit expectations in language production and comprehension [Talk on Youtube: <https://youtu.be/KbmXYgqyQ?t=14292>]. 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*. Massachusetts Institute of Technology.
- Schotter, E., Leinenger, M., & von der Malsburg, T. (2017, March). 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*. Massachusetts Institute of Technology.
- von der Malsburg, T., Poppels, T., & Levy, R. (2017c, January). 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*. Linguistic Society of America.
- Angele, B., & von der Malsburg, T. (2016, April). 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). Psychonomic Society.
- Angele, B., & von der Malsburg, T. (2015a). False-positive rates in eyetracking studies with multiple dependent measures. In M. Pereira, M. Vergara-Martínez, E. M. Rosa Martínez, P. Tejero, J. Roca Ruiz, I. Fajardo, L. Salmerón, & R. Abu Mallouh (Eds.), *Proceedings of the 12th Symposium of Psycholinguistics*. 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)*. University of Malta.
- Metzner, P., von der Malsburg, T., Vasishth, S., & Rösler, F. (2014a). 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*. 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). 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). 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). 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). University of South Carolina.
- 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). The COLING 2012 organizing committee.
- von der Malsburg, T., & Vasishth, S. (2011b). Strategies for dealing with attachment ambiguities in Spanish. *Proceedings of the 10th Symposium of Psycholinguistics*.
- 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, L. Pylkkänen, & H. Rabagliati (Eds.), *Proceedings of the 23th Annual CUNY Conference on Human Sentence Processing* (p. 32). New York University.
- von der Malsburg, T., Baumann, T., & Schlangen, D. (2009). TELIDA: A package for manipulation and visualization of timed linguistic data. *Proceedings of the SIGDIAL 2009 Conference: The 10th Annual Meeting of the Special Interest Group on Discourse and Dialogue*, 302–305.
- von der Malsburg, T., & Vasishth, S. (2009a). 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)*. Journal of Eye Movement Research.

*Conference posters and short talks:*

- Parshina, O., Sekerina, I. A., Lopukhina, A., & von der Malsburg, T. (2025, November). Reading strategies in monolingual and bilingual readers of Russian: A scanpath analysis. In V. Demberg, E. Ellsiepen, M. Ryzhova, J. Duff, L. Pissani, A. Mayn, I. Škrjanec, J. Li, & M. Meghdadi Esfahani (Eds.), *Proceedings of the workshop on individual differences in reading (IndiREAD)*.
- Mézière, D., & von der Malsburg, Titus. (2025, September). Predicting reading comprehension from eye-tracking measures with random forests. In J. Chromý, K. Chládková, A. Chromá, M. Filip, K. Matiasovitsová, R. Lacina, N. Paillereau, M. Preininger, & F. Smolík (Eds.), *Proceedings of the 31th Architectures and Mechanisms for Language Processing Conference (AMLaP)*. Univerzita Karlova.
- von der Malsburg, Titus & Padó, S. (2025, September). Transformers fail to predict consistent effects for agreement attraction configurations. In J. Chromý, K. Chládková, A. Chromá, M. Filip, K. Matiasovitsová, R. Lacina, N. Paillereau, M. Preininger, & F. Smolík (Eds.), *Proceedings of the 31th Architectures and Mechanisms for Language Processing Conference (AMLaP)*. Univerzita Karlova.
- Fanton, N., Ranjan, S., von der Malsburg, T., & Roth, M. (2025, July). A diachronic analysis of human and model predictions on audience gender in how-to guides. In C. Basta, M. R. Costa-jussà, A. Faleńska, D. Nozza, & K. Stańczak (Eds.), *6th workshop on gender bias in natural language processing*.
- Vigly, J., Boyce, V., Socolof, M., Michaelov, J., von der Malsburg, & Levy, R. (2025, March). Implicit gender bias in linguistic descriptions for expected events: The case of the 2024 United States presidential election. In D. Gagne, Y. T. Huang, R. Newman, J. Novick, P. Plummer, & L. R. Slevc (Eds.), *Proceedings of the 38th Annual Conference on Human Sentence Processing*. University of Maryland.
- Ranjan, S., & von der Malsburg, T. (2025, February). Limits of dependency length minimization. In R. Bader, S. Degaetano-Ortlieb, K. Haeuser, R. Lemke, & I. Yuen (Eds.), *Proceedings of the Conference on Rational Approaches in Language Science (RAILS)*. Saarland University.
- Pryslopska, A., & von der Malsburg, T. (2024a, June). Towards a psycholinguistic model of bracketing paradoxes. In A. Papafragou & F. Schwarz (Eds.), *Proceedings of Experiments in Linguistic Meaning*. Linguistic Society of America.
- Pryslopska, A., & von der Malsburg, T. (2024b, May). Towards a psycholinguistic model of bracketing paradoxes. In J. Boland, J. Brennan, L. Levinson, R. Lewis, & S. Namboodiripad (Eds.), *Proceedings of the 37th Annual Conference on Human Sentence Processing*. University of Michigan Ann Arbor.
- Laurinavichyute, A., Yadav, H., von der Malsburg, T., & Vasishth, S. (2024, February). Agreement attraction effects depend on the goal of processing. In D. Georgi, I. Wartenburger, A.

- Gafos, A. Hölzl, & R. B. Araujo (Eds.), *Proceedings of Linguistic Evidence 2024*. University of Potsdam.
- Pryslopska, A., & von der Malsburg, T. (2024c, February). It's not just all in the head: Towards a processing model of German adjective-noun-noun constructions and the bracketing paradox. In D. Georgi, I. Wartenburger, A. Gafos, A. Hölzl, & R. B. Araujo (Eds.), *Proceedings of Linguistic Evidence 2024*. University of Potsdam.
- Pryslopska, A., & von der Malsburg, T. (2024d). Severe storm warnings for four-story homeowners: Towards a processing model of bracketing paradoxes. In L. K. Samuelson, S. Frank, M. Toneva, A. Mackey, & E. Hazeltine (Eds.), *Proceedings of the 46th Annual Meeting of the Cognitive Science Society*. Cognitive Science Society.
- Ranjan, S., & von der Malsburg, T. (2023a, December). Dependency length minimization in SOV languages: A bounded rationality view. In S. Husain & A. Verma (Eds.), *The South Asian Forum on the Acquisition and Processing of Language* (Vol. 4). Indian Institute of Technology Kanpur.
- Laurinavichyute, A., Yadav, H., von der Malsburg, T., & Vasishth, S. (2023, March). Agreement attraction effects depend on the processing goal. In T. Warren, S. Fraundorf, M. W. Dickey, N. Tokowicz, & S. Wiener (Eds.), *Proceedings of the 36th Annual Conference on Human Sentence Processing*. University of Pittsburgh.
- Ranjan, S., & von der Malsburg, T. (2023b). A bounded rationality account of dependency length minimization in Hindi. In M. Goldwater, F. Anggoro, B. Hayes, & D. Ong (Eds.), *Proceedings of the 45th annual meeting of the cognitive science society*. Cognitive Science Society.
- Bianchi, B., Loredo, R., Carden, J., Jaichenco, V., von der Malsburg, T., Shalom, D., & Kamienkowski, J. (2020). Different sources of predictions during natural reading: An EEG and eye-tracking co-registration study [Vision Sciences Society Annual Meeting 2020 abstract]. *Journal of Vision*, 20(11), 1308–1308. <https://doi.org/10.1167/jov.20.11.1308>
- Laurinavichyute, A., & von der Malsburg, T. (2020, September). The Lewis and Vasishth model predicts agreement and semantic attraction effects in acceptability judgments, but not in response times. In T. von der Malsburg, S. Vasishth, & I. Wartenburger (Eds.), *Proceedings of the 26th Architectures and Mechanisms for Language Processing Conference (AMLaP)*. Universität Potsdam.
- Mézière, D., Yu, L., Reichle, E., von der Malsburg, T., & McArthur, G. (2020a, September). Using eye movements to index reading comprehension ability. In T. von der Malsburg, S. Vasishth, & I. Wartenburger (Eds.), *Proceedings of the 26th Architectures and Mechanisms for Language Processing Conference (AMLaP)*. Universität Potsdam.
- Stone, K., von der Malsburg, T., & Vasishth, S. (2020a, March). Contextual constraint and the frontal post-N400 positivity: A large-sample, pre-registered ERP study. In M. Breen, B. Dillon, L. Frazier, J. Kingston, S. Momma, & A. Staub (Eds.), *Proceedings of the 33th Annual CUNY Conference on Human Sentence Processing*. University of Massachusetts, Amherst.
- Laurinavichyute, A., & von der Malsburg, T. (2019, March). Agreement attraction effects in the comprehension of grammatical sentences. In E. Colunga, A. Kim, L. Michaelis, & B. Narasimhan (Eds.), *Proceedings of the 32th Annual CUNY Conference on Human Sentence Processing*. University of Colorado Boulder.
- Schäfer, R., Lago, S., & von der Malsburg, T. (2019, March). ERP evidence of object agreement attraction in comprehension. In E. Colunga, A. Kim, L. Michaelis, & B. Narasimhan (Eds.), *Proceedings of the 32th Annual CUNY Conference on Human Sentence Processing*. University of Colorado Boulder.

- Stone, K., Vasishth, S., & von der Malsburg, T. (2019a, March). ERP evidence for long-distance lexical predictions in German particle verb constructions. In E. Colunga, A. Kim, L. Michaelis, & B. Narasimhan (Eds.), *Proceedings of the 32th Annual CUNY Conference on Human Sentence Processing*. University of Colorado Boulder.
- Boyce, V., von der Malsburg, T., Poppels, T., & Levy, R. (2019b). Female gender is consistently under-expressed in pronoun production and under-inferred in comprehension. In R. Pancheva & K. Iskarous (Eds.), *93th Annual Meeting of the Linguistics Society of America*. Linguistic Society of America.
- Laurinavichyute, A., & von der Malsburg, T. (2018a, September). Semantic attraction in sentence processing. In P. Knoeferle (Ed.), *Proceedings of the 24th Architectures and Mechanisms for Language Processing Conference (AMLaP)*. Humboldt Universität Berlin.
- von der Malsburg, T., Boyce, V., Poppels, T., & Levy, R. (2018, September). Gender-biases in language processing: Explicit beliefs about event outcomes vs. implicit linguistic expectations. In P. Knoeferle (Ed.), *Proceedings of the 24th Architectures and Mechanisms for Language Processing Conference (AMLaP)*. Humboldt Universität Berlin.
- Morgan, A., von der Malsburg, T., Ferreira, V., & Wittenberg, E. (2018a, September). English resumptive pronouns do not help the comprehender. In P. Knoeferle (Ed.), *Proceedings of the 24th Architectures and Mechanisms for Language Processing Conference (AMLaP)*. Humboldt Universität Berlin.
- Schäfer, R., von der Malsburg, T., & Lago, S. (2018, September). Agreement attraction in german SOV structures: An ERP study. In P. Knoeferle (Ed.), *Proceedings of the 24th Architectures and Mechanisms for Language Processing Conference (AMLaP)*. Humboldt Universität Berlin.
- Boyce, V., von der Malsburg, T., Poppels, T., & Levy, R. (2018, March). 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*. UC Davis.
- Laurinavichyute, A., & von der Malsburg, T. (2018b, March). 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*. UC Davis.
- Laurinavichyute, A., & von der Malsburg, T. (2018c, March). 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*. UC Davis.
- Morgan, A., von der Malsburg, T., Ferreira, V., & Wittenberg, E. (2018b, March). 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*. UC Davis.
- Stone, K., Vasishth, S., & von der Malsburg, T. (2018, March). 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*. UC Davis.
- Morgan, A., von der Malsburg, T., Ferreira, V., & Wittenberg, E. (2017, March). 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*. 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). Basque Center on Cognition, Brain; Language.
- von der Malsburg, T., & Angele, B. (2015a, March). 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*. University of Southern California.
- Angele, B., & von der Malsburg, T. (2015b). 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)*. Journal of Eye Movement Research.
- 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)*. University of Malta.
- 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)*. University of Malta.
- 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*. University of Southern California.
- 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). Ohio State University.
- Metzner, P., von der Malsburg, T., Vasishth, S., & Rösler, F. (2014b). Different coping strategies in sentence processing can be disentangled using coregistered eye movements and brain potentials. *Proceedings of the Sixth Annual Society for the Neurobiology of Language Conference*.
- Metzner, P., von der Malsburg, T., Vasishth, S., & Rösler, F. (2014c). 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). University of Edinburgh.
- 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). 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. *Spektrum Patholinguistik*, 6, 219–223.
- Kobele, G., Lagrou, E., Engelmann, F., von der Malsburg, T., Musa, R., Gerth, S., van de Vijver, R., & Hale, J. (2012). Incremental processing difficulty in cross-serial and nested verb cluster. In G. Egidi, U. Hasson, R. Job, F. Vespiagnani, & R. Zamparelli (Eds.), *Proceedings of the 18th Architectures and Mechanisms for Language Processing Conference (AMLaP)* (p. 150). 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). CUNY Graduate School; 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). Journal of Eye Movement Research.
- von der Malsburg, T., & Vasishth, S. (2011c). 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 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, L. Pylkkänen, & H. Rabagliati (Eds.), *Proceedings of the 23th Annual CUNY Conference on Human Sentence Processing* (p. 111). New York University.
- von der Malsburg, T., & Vasishth, S. (2009b). Readers use different strategies to recover from garden-paths. *Proceedings of the Summer School on Embodied Language Games and Construction Grammar*.
- von der Malsburg, T., & Vasishth, S. (2009c). 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*. University 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)*. Journal of Eye Movement Research.
- 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). University 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)*. Journal of Eye Movement Research.

#### *Scientific data sets:*

- Rayner, K., Abbott, M. J., Schotter, E. R., Belanger, N. N., Higgins, E. C., Leinenger, M., von der Malsburg, T., & Plummer, P. (2015). Keith Rayner eye movements in reading data collection. UC San Diego Library Digital Collections. <https://doi.org/10.6075/J0JW8BSV>

#### *Scientific software:*

- von der Malsburg, T. (2015a, October). Scanpath: An R package for analyzing scanpaths [Published on Zenodo]. <https://doi.org/10.5281/zenodo.31800>
- von der Malsburg, T. (2015b, October). Saccades: An R package for detecting fixations in raw eye tracking data [Published on Zenodo]. <https://doi.org/10.5281/zenodo.31799>
- von der Malsburg, T. (2015c, June). Py-Span-Task: A software for testing working memory span [Published on Zenodo]. <https://doi.org/10.5281/zenodo.18238>

*Artistic works:*

- Schurer, B., & von der Malsburg, T. (2017, September). Automatic reading (obfuscation) [Eye-tracking and sound installation.]. In L. Ribas & R. Taveira (Eds.), *Proceedings of the fifth conference on Computation, Communication, Aesthetics and X*. The xCoAx 2017 organizing committee.
- Illing, C., & von der Malsburg, T. (2015, April). Brain decomposition [Sound installation].
- Illing, C., & von der Malsburg, T. (2014, December). Brain decompositions [Performance].
- von der Malsburg, T., & Illing, C. (2014). Dem Gehirn zuhören [Sound installation part of an exhibition about science in the state of Brandenburg].
- von der Malsburg, T., & Illing, C. (2013, June). Decomposing electric brain potentials for audification on a matrix of speakers [Sound installation.]. In M. Verdicchio & M. Carvalhais (Eds.), *Proceedings of the first conference on Computation, Communication, Aesthetics and X* (pp. 305–307). The xCoAx 2013 organizing committee.