Marten van Schijndel

Curriculum Vitae

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Education

2017 (expected)	**PhD in Linguistics**, *The Ohio State University*. Dissertation: *Syntactic Influences on Human Sentence Processing*
2009	**BA in Linguistics**, *Western Washington University*. Cum Laude

Publications

Journal Articles

2016   Rajakrishnan Rajkumar, **Marten van Schijndel**, Michael White, and William Schuler, "Investigating locality effects and surprisal in written English syntactic choice phenomena." In *Cognition*, 155: 204–232. 2016.

Alessandra Zarcone, **Marten van Schijndel**, Jorrig Vogels, and Vera Demberg, "Salience and attention in surprisal-based accounts of language processing." In *Frontiers in Psychology*, 7 (844). 2013.

2013   **Marten van Schijndel**, Andy Exley, and William Schuler, "A Model of language processing as hierarchic sequential prediction." In *Topics in Cognitive Science*, 5 (3): 522–540. 2013.

Peer-Reviewed Proceedings

2016   **Marten van Schijndel**, and William Schuler, "Addressing surprisal deficiencies in reading time models." In *Proceedings of the Computational Linguistics for Linguistic Complexity Workshop*. 2016.
(24.2% oral)

Cory Shain, **Marten van Schijndel**, Richard Futrell, Edward Gibson, and William Schuler, "Memory access during sentence processing causes reading time latency." In *Proceedings of the Computational Linguistics for Linguistic Complexity Workshop*. 2016.
(24.2% oral)

2015   **Marten van Schijndel** and William Schuler, "Hierarchic syntax improves reading time prediction." In *Proceedings of the 2015 Conference of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies*. 2015.
(12.6% oral)

Marten van Schijndel, Brian Murphy, and William Schuler, "Evidence of syntactic working memory usage in MEG data." In *Proceedings of the 6th Workshop on Cognitive Modeling and Computational Linguistics*. 2015.

Evan Jaffe, Lifeng Jin, David King, and **Marten van Schijndel**, "Azmat: Sentence similarity using associative matrices." In *Proceedings of the International Workshop on Semantic Evaluation*. 2015.

2014 **Marten van Schijndel** and Micha Elsner, "Bootstrapping into Filler-Gap: An Acquisition Story." In *Proceedings of the 52nd Annual Meeting of the Association for Computational Linguistics*. 2014.
(13.4% oral)

Marten van Schijndel, William Schuler, and Peter Culicover, "Frequency Effects in the Processing of Unbounded Dependencies." In *Proceedings of the 36th Annual Meeting of the Cognitive Science Society*. 2014.

2013 **Marten van Schijndel** and William Schuler, "An Analysis of Frequency- and Memory-Based Processing Costs." In *Proceedings of 2013 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*. 2013.
(20.2% oral)

Marten van Schijndel, Luan Nguyen, and William Schuler, "An Analysis of Memory-based Processing Costs using Incremental Deep Syntactic Dependency Parsing." In *Proceedings of the 4th Workshop on Cognitive Modeling and Computational Linguistics*. 2013.

2012 Luan Nguyen, **Marten van Schijndel**, and William Schuler, "Accurate Unbounded Dependency Recovery using Generalized Categorial Grammars." In *Proceedings of the 24th International Conference on Computational Linguistics*. 2012.
(16% oral) Best Paper Award.

Marten van Schijndel, Andy Exley, and William Schuler, "Connectionist-Inspired Incremental PCFG Parsing." In *Proceedings of the 3rd Workshop on Cognitive Modeling and Computational Linguistics*. 2012.

Presentations

2016 "Screening for Alzheimer's with psycholinguistics", March 5, 2016. CUNY Human Sentence Processing Conference, Gainesville, FL, USA.

"Alpha power decreases during center embedding in natural stimuli", March 3, 2016. *CUNY Human Sentence Processing Conference*, Gainesville, FL, USA.

"Can measures of processing complexity predict progressive aphasia from speech?", March 3, 2016. *CUNY Human Sentence Processing Conference*, Gainesville, FL, USA.

2015 "Frequencies that matter in sentence processing", September 7, 2015. *Invited talk*, University of Stuttgart, Stuttgart, DE.

"Controlling for confounds in online measures of sentence complexity", July 28, 2015. *Invited talk*, University of Saarland, Saarbrücken, DE.

"Identifying EEG measures of memory and attentional load in language processing", July 2, 2015. *Invited talk*, University of Saarland, Saarbrücken, DE.

"Evidence of syntactic working memory usage in MEG data", June 4, 2015. *6th Workshop on Cognitive Modeling and Computational Linguistics (CMCL 2015)*, Denver, CO, USA.

"Hierarchic syntax improves reading time prediction", June 3, 2015. *2015 Conference of the North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL 2015)*, Denver, CO, USA.

"Hierarchic syntax improves reading time prediction", March 21, 2015. *CUNY Human Sentence Processing Conference*, Los Angeles, CA, USA.

2014   "Frequency Effects in the Processing of Unbounded Dependencies", July 24, 2014. *36th Annual Conference of the Cognitive Science Society (CogSci 2014)*, Quebec, QC, Canada.

"Bootstrapping into Filler-Gap: An Acquisition Story", June 24, 2014. *52nd Annual Meeting of the Association for Computational Linguistics (ACL 2014)*, Baltimore, MD, USA.

"Effects of integration in eye tracking", March 15, 2014. *CUNY Sentence Processing Conference*, The Ohio State University.

"Bootstrapping into Filler-Gap: An Acquisition Story", March 13, 2014. *CUNY Sentence Processing Conference*, The Ohio State University.

2013   "Bootstrapping into Filler-Gap: An Acquisition Story", November 22, 2013. *The Ohio State University Linguistics Colloquium Fest*, The Ohio State University.

"An Analysis of Memory-based Processing Costs using Incremental Deep Syntactic Dependency Parsing", August 8, 2013. *The 4th Workshop on Cognitive Modeling and Computational Linguistics*, Sofia, Bulgaria.

"An Analysis of Frequency- and Memory-Based Processing Costs", June 10, 2013. *NAACL 2013*, Atlanta, GA, USA.

"An Analysis of Frequency- and Memory-Based Processing Costs", May 2, 2013. *Midwest Speech and Language Days*, Toyota Technological Institute of Chicago.

2012   "Prediction- and Recall-Defined Online Complexity Metrics", December 5, 2012. *The Ohio State University Linguistics Colloquium Fest*, The Ohio State University.

"Connectionist-Inspired Incremental PCFG Parsing", June 7, 2012. *The 3rd Workshop on Cognitive Modeling and Computational Linguistics*, McGill University.

Awards

2014   Saarland University Visiting Fellowship in Language Science (CRC 1102)

OSU Targeted Investment in Excellence Grant

2013   National Science Foundation Graduate Research Fellowship (DGE-1343012)

G. Micheal Riley International Travel Award

OSU Targeted Investment in Excellence Grant

2012   Coling 2012 Best Paper Award

OSU Targeted Investment in Excellence Grant

2011   OSU University Fellowship

2009   WWU Outstanding Graduate Award

Service

2017   **7th Workshop on Cognitive Modeling in Computational Linguistics (CMCL)**, *Co-Organizer.*

EACL 2017, *Reviewer.*

EMNLP 2017, *Reviewer.*

2016   **ACL 2016**, *Reviewer.*

COLING 2016, *Reviewer.*

EMNLP 2016, *Reviewer.*

NAACL 2016, *Reviewer.*

EACL 2017, *Reviewer.*

CUNY Sentence Processing Conference 2016, *Reviewer.*

2015   **6th Workshop on Cognitive Modeling in Computational Linguistics (CMCL)**, *Co-Organizer.*

2015 Conference on Empirical Methods on Natural Language Processing, *Reviewer.*

CUNY Sentence Processing Conference 2015, *Reviewer.*

2014   **CogSci 2014**, *Reviewer.*

CUNY Sentence Processing Conference 2014, *Reviewer.*

North American Computational Linguistics Olympiad, *Student Organizer.*

2013   **NAACL 2013**, *Student Volunteer.*

4th Workshop on Cognitive Modeling and Computational Linguistics (CMCL), *Secondary Reviewer.*

2012   **Transactions of the ACL**, *Secondary Reviewer.*

Journal of Computational Linguistics, *Secondary Reviewer.*

2011–2014   **Laboratory and Computing Committee**, *Member*, OSU.

2011–2013   **Speakers Committee**, *Treasurer*, OSU.

Teaching

2014   **Spring**, LING3701/PSYCH3371 Language and the Mind.

2013 **Autumn**, LING3701/PSYCH3371 Language and the Mind.

Updated

Last updated March 2, 2017