Asya Achimova

Graduate School 1808 Ambiguity – Production and Perception Eberhard Karls Universität Tübingen Keplerstr. 2, Rm 089 72074 Tübingen Neuro-Cognitive Modeling Group Department of Computer Science Eberhard Karls Universität Tübingen Sand 14, Rm C420 72076 Tübingen

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Education Ph.D., Psychology (Cognitive) Rutgers University, New Brunswick, NJ, May 2014		
Thesis: Resolving wh -quantifier ambiguities: Integrating theoretical and ϵ tal perspectives		
	Advisors: Julien Musolino & Viviane Déprez	
	Committee members: Kristen Syrett (Rutgers University),	
	John Trueswell (University of Pennsylvania)	
	M.S., Psychology, Rutgers University, New Brunswick, 2011	
	$B.A.,$ English Language and Literature, Perm State University, Perm, Russia, $Summa\ cum\ laude$	2007.
Additional training	Bayesian Modeling for Cognitive Science Summer School (Amsterdam). Fifth Summer School on Statistical Methods for Linguistics and Psychology (Bayesian track).	2022 2021
	European Summer School for Language, Logic, and Information (ESSLLI, online).	2021
	Web Summer School for Language, Logic, and Information (NASSLLI).	2020
	European Summer School for Language, Logic, and Information (ESSLLI, Riga, Latvia).	2019
	Leipzig Spring School on Linguistic Diversity.	2006
	St. Petersburg Institute of Linguistics, Cognition, and Culture. Summer	2005
	school. St. Petersburg Institute of Linguistics, Cognition, and Culture. Summer school.	2004
Certificates	Certificate program "Leadership in Academia, Industry, and Society". University of Tübingen	2022
	Certificate in Cognitive Science, Rutgers University	2013
	Certificate in Language Learning and Teaching, Rutgers University	2012
Research interests	Computational modeling of pragmatic reasoning, ambiguity resolution, quantifier scope, experimental linguistics, atypical language development, first and second language acquisition	
Academic positions	Post-doctoral fellow 2018 – p. Neuro-Cognitive Modeling Group, University of Tübingen Research Training Group 1808 "Ambiguity: Production and Perception"	resent

	Visiting scholar Linguistics Program, Wayne State University	2016 -	2018
	Part-time lecturer Institute of Linguistics, University of Leipzig	2015 -	2016
	Teaching Assistant Psychology Department, Rutgers University	2009 -	2013
	Russian Language Instructor Rutgers University	2008 -	2009
Fellowships and awards	Equal opport. grant for researchers working during the pandemic (1.000 Athene-Program (support for early career female researchers) (20.000 € Paula Menyuk Travel Award for conference expenses, awarded at BUCI Paula Menyuk Travel Award for conference expenses, awarded at BUCI Undergraduate fellowship for seniors for academic excellence. Undergraduate federal fellowship of the Government of the Russian Feder Undergraduate regional fellowship of the Governor of Perm Region. Undergraduate fellowship for freshmen for academic excellence.	D 38. D 38.	2021 2020 2013 2012 2006 2005 2004 2003
Publications	Achimova, A., Scontras, G., Eisemann, E., & M.V. Butz. Active itersocial inference in multi-trial signaling games. <i>Open Mind</i> , accepted.	rative	2023
	Achimova, A., Stegemann-Philipps, C., Winkler, S., & Butz. Anaphoric reference in descriptions of surprising events. In mann, D. & S. Repp (eds.) <i>Proceedings of Sinn und Bedeutung 26</i> , pp. 2 Universität zu Köln.		2022
	Achimova, A. , Scontras, G., Stegemann-Philipps, C., Lohmann, J., & Butz. Learning about others: Pragmatic social inference through ambiresolution. <i>Cognition</i> , 218, 104862.		2022
	Butz, M.V., Achimova , A , Bilkey, D., & Knott, A. Event-predictive nition: a root for conceptual human thought. <i>Topics in Cognitive Sc</i> 13(1).	_	2021
	Stegemann-Philipps, C., Butz, M.V., Winkler, S., & Achimova , A . S ers use more informative referring expressions to describe surprising expressions of the 43 ^r d Annual Meeting of the Cognitive Science Society	vents.	2021
	Hartmann, J., Achimova , A. , Ebert, L., Ebert-Rohleder, M., Elxnat, Geiger, L., Hofmaier, L., Klenk, J., Lahrsow, M., Metzger, S., Schole Reid, M., Stegemann-Philipps, C., Titt, R., Vollstedt, T., Wagner, W., Winkler. TInCAP User Manual, GRK 1808 Ambiguity Database.	e, G.,	2021
	Achimova, A., Déprez, V. Specificity affects determiner choice even definiteness transfers. In Deborah Arteaga (Ed.): <i>L2 grammatical repr</i>		2019

tation and processing. Theory and practice p. 12-27, Second Language

Acquisition: 136, Bristol; Blue Ridge Summit: Multilingual Matters.

Achimova, A. , Deprez, V., Musolino, J. Structural asymmetry in question/quantifier interactions. In Katalin E. Kiss & Tamás Zétényi (Eds.): Linguistic and cognitive aspects of quantification p. 13 – 30, Studies in Theoretical Psycholinguistics, vol. 47, Springer, Cham.	2018
Achimova, A , Syrett, K., Musolino, J., Déprez, V. Children's developing knowledge of wh-/quantifier question-answer relations. <i>Language Learning and Development</i> , 1. p. $80-99$	2017
Achimova, A., Staroverov, P., Déprez, V. & Musolino, J. Pair-list answers in naive speakers and professional linguists. In Arkadiev, P.M., Kapitonov, I.S., Lander, Y.A., Rakchilina, E.V., Tatevosov, S.G. (Eds.) Donum semanticum: Opera linguistica et logica in honorem Barbarae Partee a discipulis amicisque Rossicis oblata p. 21 – 35. Moscow: [Jaziki slavyanskoy kultury] Languages of slavic culture.	2015
Achimova, A., Crosby, C., Déprez, V., Syrett, K., Musolino, J. Which account of wh-/quantifier interaction should everyone adopt: a new take on a classic developmental puzzle. In S. Baiz, N. Goldman, & R. Hawkes (Eds.) Proceedings of the 37th annual Boston University Conference on Language Development, p. 1 – 12. Boston, MA: Cascadilla Press.	2013
Achimova, A., Déprez, V., Musolino, J. What makes pair-list answers available: an experimental approach. In LaCara, N., Fainleib, L. & Park, Y. (Eds.) NELS 41: Proceedings of the 41st Annual Meeting of the North East Linguistic Society, Amherst, MA.: GLSA.	2013
Achimova, A. Verb Innovations in Spontaneous Speech of Children. In T. Marinis, A. Papangeli, & V. Stojanovik. (Eds.) <i>Proceedings of the Child Language seminar 2007 – 30th Anniversary</i> , p.4 - 14. Reading, UK.	2008
Achimova , A. Polyphony in the novel "A room with a view" by E.M. Forster. In N.S. Bochkareva (Ed.), <i>Problems of Method and Poetics in World Literature</i> , p. 119 – 122. Perm, Russia: Perm State University Press.	2004
Achimova , A. Innovations in the formation of verbs in spontaneous speech of English-speaking children, I.G. Ovchinnikova (Ed.), <i>Topics in Socio- and Psycholinguistics</i> . Variability of Language Development, p. 153 – 158. Perm, Russia: Perm State University Press.	2004
Achimova, A. English loanwords in Perm local newspapers. <i>Philologist</i> , 2, p. $18-23$. Perm, Russia: Perm State School of Education Press.	2003
Belief inference in verbal communication. <i>Human and Machine Cognition Lab</i> , Cluster of Excellence – Machine Learning for Science, University of Tübingen	2022
Ambiguity resolution as Bayesian Inference. <i>GRK 1808 Colloquium</i> , University of Tübingen	2018

Invited talks

Detroit.	
Rethinking a classic puzzle in the acquisition of quantification. Language and Cognition Lab, Johns Hopkins University.	2013
Achimova, A., Musolino, J., Pasquinelli, R., Butz, M.V., & B. Landau. Semantic meaning of scalar terms in speakers with Williams Syndrome. Paper presented at XPrag 2022: 9 th Experimental Pragmatics Conference. Pavia, Italy	2022
Achimova, A., & M. Beukman. Ambiguity remains a rare skill for learning about others even when stimuli carry social relevance. Paper presented at KogWis 2022: 5th Biannual Conference of the German Society for Cognitive Science. Freiburg, Germany	2022
Achimova, A., Musolino, J., Pasquinelli, R., Butz, M.V., & B. Landau. Understanding of linguistic scales in speakers with Williams Syndrome. Flash talk and poster presented at the 44 th Annual Meeting of the Cognitive Science Society Hybrid conference, Toronto, Canada.	2022
Achimova, Asya & Martin V. Butz. Social inferencing in communication. Poster presented at the <i>Meaning in Context Workshop</i> at the <i>Thirty-fifth Conference on Neural Information Processing Systems (NeurIPS 2021)</i> .	2021
Achimova, Asya & Martin V. Butz. Discovering shared reality in ambiguity resolution. <i>Moscow HSE Pragmatics Workshop</i> .	2021
Achimova, Asya, Stegemann-Philipps, Christian, Butz, Martin V., & Susanne Winkler. Referring to agents in an artificial world: The role of predictability. Sinn und Bedeutung 26. https://osf.io/wu329/	2021
Stegemann-Philipps, C., Butz, Martin V., Winkler, Susanne & Achimova, A. Speakers use more informative referring expressions to describe surprising events. Poster presented at the 43rd Annual Meeting of the Cognitive Science	2021
Society Virtual conference Achimova, A., Ebert-Rohleder, M., Elxnath, N., Geiger, L., Hofmaier, L., Klenk, J., Vollstedt, T., & Zirker, A. Ambiguity in Discourse: The Tübingen Interdisciplinary Corpus of Ambiguity Phenomena. Paper presented at the 17 th International Pragmatics Conference, Winterthur, Switzerland. July 1, 2021. Virtual conference	2021
Achimova, A., and M.V. Butz. Ambiguous descriptions facilitate information gain. Flash-talk presented at the workshop From Efficient Coding to Information Gain: Information-Theoretic Principles in Models of Human Decision Making held at the 42st Annual Meeting of the Cognitive Science Society. Virtual conference	2020
Achimova, A., Eisemann, E., and M.V. Butz. Bayesian preference in dialogue. Poster presented at the 42st Annual Meeting of the Cognitive Science Society. Virtual conference	2020
Achimova, A., Staroverov, P., Scontras, G., and M. Butz. Topics take wide scope: An empirical test of a theoretical claim. <i>Information Structure and Ambiguity – The Process of Integrating Sentences into Discourse</i> . Tübingen, Germany.	2019
Scontras, G., Achimova, A., Stegemann, C., and M. Butz. The added informativity of ambiguous utterances. Poster presented at <i>Experimental Pragmatics (XPRAG)</i> Edinburgh, UK.	2019
Scontras, G., Achimova, A., Stegemann, C., and M. Butz. On the purpose of ambiguous utterances. Poster presented at the 41st Annual Meeting of the Cognitive Science Society. Montreal, Canada.	2019

The role of expertise: Professional linguists as subjects in a psycholinguis-

tic experiment. Linguistics Program Colloquium, Wayne State University,

Conference Presentations 2017

Discourse licenscing of inverse scope Workshop on Ambiguity as Information Gaps: Processes of Creation and Resolution, Tübingen, Germany.	
Achimova, A., Déprez, V., Musolino, J. The subject/object asymmetry in	2015
questions with quantifiers: syntax or discourse? Workshop on Linguistic and	
Cognitive Aspects of Quantification, Budapest, Hungary.	
Musolino, J., Achimova, A., Landau, B. Logic and felicity in the face of	2013
mental retardation: Evidence from linguistic quantification in Williams Syn-	
drome. Paper presented at Boston University Conference on Language Development 38 (BUCLD), Boston, Massachusetts.	
Achimova, A., Deprez, V. Specificity matters even when definiteness trans-	2013
fers, International Congress of Linguistics (CIL 19). Geneva, Switzerland.	
Achimova, A., Crosby, C., Deprez, V., Syrett, K., Musolino, J. Which ac-	2012
count of wh-/quantifier interaction should everyone adopt: a new take on a	
classic developmental puzzle. Paper presented at Boston University Confer-	
ence on Language Development 37 (BUCLD), Boston, Massachusetts.	
Achimova, A., Deprez, V., Musolino, J. Informal judgments in formal set-	2012
tings: pair-list answers in naïve speakers and professional linguists. Paper	
presented at <i>Penn Linguistic Colloquium (PLC 36)</i> , UPenn, Philadelphia,	
PA.	
Crosby, C., Achimova, A., Deprez, V., Musolino, J. How did every child an-	2012
swer each question? Wh-/quantifier interaction in children. Poster presented	
at Aresty Undergraduate Symposium.	
Huang, S., Ortega, M., Patel, A., Achimova, A., Deprez, V. Determiner	2012
acquisition in L2 French. Poster presented at Aresty Undergraduate Sympo-	
sium.	
Achimova, A., Deprez, V., Musolino, J. Naive speakers vs. professional lin-	2011
guists: same or different. Paper presented at the 6th Annual Rutgers Lin-	
guistic Conference (RULing), NJ.	
Venezia, F., Achimova, A., Deprez, V., Musolino, J. How to answer which	2011
questions: an experimental approach. Poster presented at Aresty Undergrad-	
uate Symposium.	
Kon, M., Achimova, A., Deprez, V., Musolino, J. Who can participate in an	2011
experiment: a study on linguistic methodology. Poster presented at Aresty	
Undergraduate Symposium.	
Achimova, A., Deprez, V., Musolino, J. What makes pair-list answers avail-	2010
able: an experimental approach. Paper presented at the 41th Annual Meeting	
of North East Linguistic Society (NELS), UPenn, Philadelphia, PA.	
Achimova, A., Deprez, V., Musolino, J. Reinterpreting wh/quantifier inter-	2010
action: what can experimentation tell us about grammar. Poster presented	
at the Fourth International Conference on Cognitive Science, Tomsk, Russia.	
Achimova, A., Deprez, V., Musolino, J. Resolving wh-/quantifier ambigui-	2010
ties: an experimental approach. A talk presented at the 5th Annual Rutgers	
Linguistic Conference (RULing), NJ.	
Achimova, A. Token frequency, type frequency and phonological features of	2007
input: Influence on verb acquisition. Poster presented at the <i>Child Language</i>	
Seminar, Reading, Great Britain.	
Achimova, A. Verb form building innovations in child speech (5-7-year-olds).	2006
Paper presented at the Problems of Child Language Studies Seminar, St.	
Petersburg, Russia.	
Achimova, A. Factors determining the choice of verb paradigm in child	2006
speech.Paper presented at the International Symposium on Psycholinguis-	
tics, Moscow, Russia.	

Achimova, A., Butz, M., Déprez, V., Musolino, J. More ambiguous questions: 2018

	Achimova, A. Polyphony in the novel "A room with a view" by E.M. Paper presented at the <i>Students conference in World Literature</i> , Perisia.	
Teaching	Language learnability. Seminar co-taught with Prof. Martin Butz Cognitive modeling: Practicum Typical and atypical language development. Seminar co-taught with Prof. Martin Butz	Winter 2022 Summer semester 2022 Winter 2021
	Cognitive modeling: Practicum (online course)	Summer semester 2021
	Cognitive modeling: Practicum (online course)	Summer semester 2020
	Social interactions (online course). Seminar co-taught with Dr. Sarah Fabi and Prof. Martin Butz	Summer 2020
	Natural language and event representations. Seminar co-taught with Christian Stegemann and Prof. Martin Butz	Summer 2019
	Conceptual spaces. Seminar co-taught with Christian Stegemann and Prof. Martin Butz	Winter 2018
	Academic skills for Linguists. B.A. course	Winter 2016
	Bilingualism and second language acquisition. M.A. course	Summer 2015
	Experimental methods in Linguistics. Graduate seminar. Co-taught with Dr. Peter Staroverov (University of Leipzig)	Winter 2015
	Cognition Lab	2009 - 2013
	Russian Language, Introductory course.	2008 - 2009
Mentoring	Maren Ebert-Rohleder. Ph.D. thesis "Rhetorical questions in political speeches"	2020 - 2023
	Sebastian Knoblich. BSc thesis "Top-down influence of world knowledge on speech comprehension".	Summer 2022
	Marei Bukman. Lab project in Cognitive Science: "Belief inference in reference games"	Winter Semester 2021
	Yul Wegner. Lab project in Cognitive Science: "Social effects of ambiguity resolution"	Winter Semester 2020
	Team project in Cognitive Science: "Ambiguity creation as a complex cognitive skill"	Summer semester 2020
	Team project in Cognitive Science: "Inferring speaker preferences through the use of ambiguous utterances"	Summer semester 2019
	Ella Eisemann, BSc. thesis "Ambiguities in Dialogue: The Strategic Use of Ambiguous Utterances in Dialogues and the Rational Speech Act Model"	Summer semester 2019
Professional	Ad hoc reviewer for Applied Psycholinguistics; Language Acquisition;	Topics in Cog-

Achimova, A. Classification of verb innovations in child speech (evidence

from English). Paper presented at the Students conference in Linguistics,

Perm, Russia.

2004

Service

Ad hoc reviewer for Applied Psycholinguistics; Language Acquisition; Topics in Cognitive Science; Frontiers in Psychology; Journal of Psycholinguistic Research; First Language; Language, Cognition, and Neuroscience; Cognitive Processing, Linguistic Review, NSF

Equal opportunities representative, search committee for W3 professorship, University of Tübingen

Project leader for the Tübingen Interdisciplinary Corpus of Ambiguity Phenomena (TInCAP) https://tincap.uni-tuebingen.de/ Langauges Russian native

English fluent

German advanced (C1 Telc Hochschule Prüfung, November 2022)

French intermediate

STATISTICS AND PRO-GRAMMING SKILLS R, Python (basic skills), JavaScript, HTML

Updated February 7, 2023