Roland Mühlenbernd

Leibniz-Zentrum Allgemeine Sprachwissenschaft (ZAS)
Schützenstr. 18 · 10117 Berlin · Germany
+49 152-26674317
muehlenbernd@leibniz-zas.de
www.muehlenbernd.net

May 2023

Education

Ph.D.	General Linguistics, Department of Linguistics, Eberhard Karls University Tübingen, Germany, 2013
M.Sc.	Interdisciplinary Media Studies, University of Bielefeld, Germany, 2009
B.Sc.	Computer Science/Psychology, University of Paderborn, Germany, 2006

Professional Appointments

since 2020	Senior Researcher, DFG-funded Collaborative Research Center 1412 "Register: Language Users' Knowledge of Situational-Functional Variation", Project A05 'Modeling Meaning-Driven Register Variation', Leibniz-Zentrum Allgemeine Sprachwissenschaft, Berlin, Germany.
2019-21	Principal Investigator, Project 'The Evolution of Semantic Ambiguity in the Lab' (EvoSAL) funded by the Polish National Agency for Academic Exchange (NAWA), Centre for Language Evolution Studies, Nicolaus Copernicus University Toruń, Poland.
2017-19	Postdoctoral Researcher, European Union's Horizon 2020 Project 'Opinion Dynamics and Cultural Conflicts in European Spaces' (ODYCCEUS), Department of Management, Università Ca' Foscari Venezia, Italy.
2013-17	Postdoctoral Researcher, ERC Advanced Grant Project 'Language Evolution - the Empirical Turn' (EVOLAEMP), Department of Linguistics, UTübingen.

Publications

Refereed Journal Articles

2022 | **Mühlenbernd, Roland** & Stephanie Solt. Modelling (im)precision in context. *Linguistics Vanguard* 8(1), 113-127.

2022 | LiCalzi, Marco & **Roland Mühlenbernd**. Feature-weighted categorized play across symmetric games. *Experimental Economics* 25, 1052-1078.

2022 | **Mühlenbernd, Roland**, Sławomir Wacewicz & Przemysław Żywiczyński. The evolution of ambiguity in sender-receiver signaling games. *Games* 13(2), article 20.

2021 | **Mühlenbernd, Roland**. Evolutionary stability of ambiguity in context signaling games. *Synthese* 198(12), 11725-11753.

2021 | **Mühlenbernd, Roland**, Sławomir Wacewicz & Przemysław Żywiczyński. Politeness and reputation in cultural evolution. *Linguistics and Philosophy* 44, 1181-1213 .

2020 | Dellert, Johannes, Thora Daneyko, Alla Münch, Alina Ladygina, Armin Buch, Natalie Clarius, Ilja Grigorjew, Mohamed Balabel, Hizniye Isabella Boga, Zalina Baysarova, **Roland Mühlenbernd**, Johannes Wahle & Gerhard Jäger. NorthEuraLex: a wide-coverage lexical database of Northern Eurasia. *Language Resources and Evaluation* 54, 273-301.

2019 | LiCalzi, Marco & **Roland Mühlenbernd**. Categorization and cooperation across games. *Games* 10(1), article 5.

2019 | **Mühlenbernd, Roland**. The change of signaling conventions in social networks. *AI & Society* 34, 721-734.

2018 | Lorini, Emiliano & **Roland Mühlenbernd**. The long-term benefits of following fairness norms under dynamics of learning and evolution. *Fundamenta Informaticae* 158(1-3), 121-148.

2017 | **Mühlenbernd, Roland** & Dankmar Enke. The grammaticalization cycle of the progressive – A game-theoretic analysis. *Morphology* 27(4), 497-526.

2017 | **Mühlenbernd, Roland** & Taraka Rama. What phoneme networks tell us about the age of language families. *Journal of Language Evolution* 2(1), 67-76.

2017 | **Mühlenbernd, Roland** & Jason Quinley. Language change and network games. *Language and Linguistics Compass* 11(2): e12235.

2014	**Mühlenbernd, Roland** & Simon Schulz. The game of life, decision and communication. *Natural Science* 6: 1093-1102.
2011	**Mühlenbernd, Roland**. Learning with neighbors: Emergence of convention in a society of learning agents. *Synthese* 183 (S1): 87-109.
2007	Danne, Klaus, **Roland Mühlenbernd** & Marco Platzner. Server-based execution of periodic tasks on dynamically reconfigurable hardware. *IET Computers & Digital Techniques* 1(4): 295-301.

Chapters in Edited Collections

to appear	**Mühlenbernd, Roland**. How to use Evolutionary Game Theory to study evolutionary aspects of grammar. In: *Studies in Diversity Linguistics* Series. Berlin: Language Science Press.
2016	Enke, Dankmar, Natalie Gavrilov, **Roland Mühlenbernd**, Jonas David Nick & Matthias Villing. Emergenz menschlicher Sprache: Simulation von Evolution. In: N. Weidtmann (ed.), *Sprache und Kognition. Interdisziplinäre Forschungsarbeiten am FORUM SCIENTIARUM* 7. Berlin: LIT Verlag, 61-110.
2015	Lorini, Emiliano & **Roland Mühlenbernd**. The long-term benefits of following fairness norms: A game-theoretic analysis. In: Q. Chen, P. Torroni, S. Villata, J. Hsu & A. Omicini (eds.), *PRIMA 2015: Principles and Practice of Multi-Agent Systems*, Lecture Notes in Artificial Intelligence (LNAI) series 9387. Heidelberg/New York: Springer, 301-318.
2014	**Mühlenbernd, Roland** & Jonas D. Nick. Language change and the force of innovation. In: M. Colinet, S. Katrenko & R. K. Rendsvig (eds.), *Pristine Perspectives on Logic, Language, and Computation*, Lecture Notes in Computer Science (LNCS) series 8607. Heidelberg/New York: Springer, 194-213.

Refereed Conference Papers

2022	**Mühlenbernd, Roland** & Andreas Baumann. Modeling the origins of communication: Alignment of interests and social cues thereof. In: A. Ravignani, R. Asano, D. Valente, F. Ferretti, S. Hartmann, M. Hayashi, Y. Jadoul, M. Martins, Y. Oseki, E. D. Rodrigues, O. Vasileva and S. Wacewicz (eds.), *The Evolution of Language: Proceedings of the Joint Conference on Language Evolution*, 528-535.

2022   Baumann, Andreas & **Roland Mühlenbernd**. Less of the same: Modeling horror aequi and extravagance as mechanisms of negative frequency dependence in linguistic diversification. In: A. Ravignani, R. Asano, D. Valente, F. Ferretti, S. Hartmann, M. Hayashi, Y. Jadoul, M. Martins, Y. Oseki, E. D. Rodrigues, O. Vasileva and S. Wacewicz (eds.), *The Evolution of Language: Proceedings of the Joint Conference on Language Evolution*, 50-57.

2020   **Mühlenbernd, Roland**, Przemysław Żywiczyński & Sławomir Wacewicz. A cultural-evolutionary model of politeness strategies and reputation. In: A. Ravignani, C. Barbieri, M. Flaherty, Y. Jadoul, E. Lattenkamp, H. Little, M. Martins, K. Mudd & T. Verhoef (eds.), *The Evolution of Language: Proceedings of the 13th International Conference*, 305-307.

2018   **Mühlenbernd, Roland**, Przemysław Żywiczyński & Sławomir Wacewicz. Evolutionary stability of linguistic politeness and the Politeness Equilibrium Principle. In: C. Cuskley, M. Flaherty, H. Little, L. McCrohon, A. Ravignani & T. Verhoef (eds.), *The Evolution of Language: Proceedings of the 12th International Conference*.

2016   **Mühlenbernd, Roland** & Johannes Wahle. Self-organization in sound systems: A model of sound strings processing agents. In: S.G. Roberts, C. Cuskley, L. McCrohon, L. Barceló-Coblijn, O. Feher & T. Verhoef (eds.), *The Evolution of Language: Proceedings of the 11th International Conference*.

2016   Enke, Dankmar, **Roland Mühlenbernd** & Igor Yanovich. The emergence of the progressive to imperfective diachronic cycle in reinforcement-learning agents. In: S.G. Roberts, C. Cuskley, L. McCrohon, L. Barceló-Coblijn, O. Feher & T. Verhoef (eds.), *The Evolution of Language: Proceedings of the 11th International Conference*.

2014   **Mühlenbernd, Roland** & Michael Franke. Meaning, evolution and the structure of society. In: A. Herzig & E. Lorini (eds.), *European Conference on Social Intelligence*, CEUR Workshop Proceedings 1283, 28-39.

2014   **Mühlenbernd, Roland**. Convention and innovation in social networks. In: A. Herzig & E. Lorini (eds.), *European Conference on Social Intelligence*, CEUR Workshop Proceedings 1283, 317-328.

2014   **Mühlenbernd, Roland**. Structure & variation of signaling conventions in scale-free networks. In: A. Herzig & E. Lorini (eds.), *European Conference on Social Intelligence*, CEUR Workshop Proceedings 1283, 347-358.

2014 | **Mühlenbernd, Roland**, Dankmar Enke, Matthias Villing, Natalie Gavrilov & Jonas D. Nick. Modality switch in human language evolution. In: E.A. Cartmill, S. Roberts, H. Lyn & H. Cornish (eds.), *Proceedings of the 10th International Conference on the Evolution of Language*, 161-168.

2013 | **Mühlenbernd, Roland** & Jason Quinley. Signaling and simulations in sociolinguistics. In: K. Shwayder (ed.), *Proceedings of the 36th Annual Penn Linguistics Colloquium*, University of Pennsylvania Working Papers in Linguistics 19(1), Article 16.

2012 | **Mühlenbernd, Roland**, Jonas D. Nick & Christian Adam. The force of innovation: Emergence and extinction of messages in signaling games. In: R. K. Rendsvig & S. Katrenko (eds.), *Proceedings of the ESSLLI 2012 Student Session*, 93-103.

2012 | **Mühlenbernd, Roland** & Michael Franke. Simulating the emergence of conventions in small-world networks. *Proceedings of the 21st International Conference on Behavior Representation in Modeling & Simulation*, 37-42.

2012 | Quinley, Jasnon & **Roland Mühlenbernd**. Conquest, contact, and convention: simulating the Norman invasion's impact on linguistic usage. *Proceedings of the 21st International Conference on Behavior Representation in Modeling & Simulation*, 110-115.

2012 | **Mühlenbernd, Roland** & Michael Franke. Signaling conventions: Who learns what where and when in a social network? In: T. Scott-Phillips, M. Tamariz, E. A. Cartmill & J. Hurford (eds.), *Proceedings of the 9th International Conference on the Evolution of Language*, 242-249.

2006 | Danne, Klaus, **Roland Mühlenbernd** & Marco Platzner. Executing hardware tasks on dynamically reconfigurable devices under real-time conditions. In: A. Koch, P. Leong & E. Boemo (eds.), *Proceedings of the 2006 International Conference on Field Programmable Logic and Applications*, 541-546.

Fellowships, Grants & Awards

2019 | *Research Project Grant.* Project 'The Evolution of Semantic Ambiguity in the Lab' (EvoSAL), funded by the Polish National Agency for Academic Exchange (NAWA), Ulam Programme, Centre for Language Evolution Studies, Nicolaus Copernicus University Toruń, Poland (ca. € 75,000).

2019	*Seal of Excellence.* Certificate delivered by the European Commission for the project proposal 'Cognitive Frames and Cooperation - Formal Approaches Meet Empirical Studies' (COGFRAMES), submitted under the Horizon 2020's Marie Skłodowska-Curie actions call H2020-MSCA-IF-2018.
2018	*Visiting Scholar Grant.* Department of Linguistics, The Ohio State University, Columbus (\$ 1,725).
2017	*Workshop Subsidy*, granted by the Human Behavior and Evolution Society (HBES) for the conduction of the Workshop 'Evolutionary Theory in the Humanities' at the 12th International Conference on the Evolution of Language (Evolang 12). Nicolaus Copernicus University, Toruń (\$ 5,250).
2017	*Visiting Scholar Grant.* Department of Logic and Philosophy of Science, University of California, Irvine (\$ 4,000).
2015	*Visiting Scholar Grant.* International Centre for Mathematics and Computer Science (CIMI). Paul Sabatier University, Toulouse.
2011-12	*Forum Scientiarum Mention*, Udo Keller Foundation Fellowship. Forum Scientiarum, UTübingen and Klett Publishers.

Invited Talks

2021	Population-Level Models of Evolutionary Pragmatics. Evolutionary Pragmatics Forum, Nov. 26.
2021	Politeness & Reputation. Workshop 'Oppressive Speech, Societies & Norms'. Leibniz-Zentrum Allgemeine Sprachwissenschaft, Berlin, Feb. 18.
2020	(UN)Fairness & Bargaining Games. Workshop 'Oppressive Speech, Societies & Norms'. Leibniz-Zentrum Allgemeine Sprachwissenschaft, Berlin, Dec. 3.
2018	On the Evolutionary Foundations of Polite Requests - A Game-Theoretic Perspective. Pragmatics Working Group Meeting. Department of Linguistics. The Ohio State University, Columbus, OH, Mar. 9.
2017	How to Share Cultural Frames: Approximation Dynamics within Game Spaces under Coarse Cognition. Workshop on 'Game Theory and Partial Representations'. Chalmers Tekniska Högskola, Gothenburg, Sweden, Sep. 11.
2017	Population Dynamics within Cultural Frames: A Game-Theoretic Study of Conflict and Cooperation. Departmental Colloquium. Department of Logic and Philosophy of Science, University of California, Irvine, CA, Sep. 5.

2017	Grammaticalization and the Loss of Optimal Grammars. Workshop on 'Language Change for the Worse'. LMU Munich, Germany, May 28.
2017	Pragmatics and Language Evolution - A Game-Theoretic Perspective. Workshop on 'Evolutionary Inspirations in Language Studies'. Centre for Language Evolution Studies, Nicolaus Copernicus University, Toruń, Poland Apr. 6.
2016	Competition and Optimization in Language Change – An Evolutionary Perspective. Meaning, Optimization and Interaction Workshop. Université de Paris 7 – Denis Diderot, France, Sep 9.
2016	The HOW and WHY in Language Change - A new Perspective in Historical Semantics. Department of Linguistics. Stanford University, CA, Mar. 29.
2015	Unidirectional Language Change - A Game-Theoretic Analysis. Department for German Philology, Comparative Linguistics, Nordic Studies, and German as Foreign Language. LMU Munich, Germany, Nov. 25.
2015	Signaling Games: Dynamics of Evolution and Learning. International Centre for Mathematics and Computer Science (CIMI), Paul Sabatier University, Toulouse, France, Apr. 3 and Apr. 19.
2012	Interdependencies of Production and Perception in Signaling Games. Workshop on 'Game Theory and Pragmatics'. Zentrum für Allgemeine Sprachwissenschaft (ZAS), Berlin, Germany, Oct. 5-6.

Conferences

Conferences/Workshops Organized

2021	Workshop on 'Experimental Semiotics and Evolutionary Pragmatics', Center for Language Evolution Studies, Nicolaus Copernicus University Torun, Poland, Aug. 26-27
2019	Workshop on 'The Economics of Human Language', Protolang 6 Conference. Calouste Gulbenkian Foundation, Lisbon, Portugal, Sep. 9-11.
2018	Workshop on 'Stability and Instability in Grammar', International Congress of Linguistics - The Dynamics of Language (ICL20). The University of Cape Town, South Africa, July 2-6.
2018	Workshop on 'Evolutionary Theory in the Humanities', Satellite Event, 12th International Conference on the Evolution of Language (Evolang XII). Nicolaus Copernicus University, Torun, Poland, Apr. 15.

2014	26th European Summer School in Logic, Language and Information (ESSLLI 2014). UTübingen, Aug. 11-22.
2014	Workshop on 'Sociolinguistics and Network Games' (SLANG 2014), ESSLLI 2014. UTübingen, Aug. 18-22.
2014	Workshop on 'Historical and Empirical Evolutionary Linguistics' (WHEEL 2014). UTübingen, Feb. 15-16..
2011/14	1st and 2nd Students Conference 'KonferenzLE: Linguistic Evidence Lite - Intra-linguistic Interfaces'. UTübingen, Feb. 5/Feb. 12.

Papers Presented

2021	The Evolution of Ambiguity in Communication Systems. Protolang 7 Conference, Heinrich Heine University Düsseldorf, Germany, Sep. 6-8.
2019	Signaling Games, Evolution, Learning, and the Evolution of Ambiguity. Workshop on the Economics of Human Language, Protolang 6 Conference, Calouste Gulbenkian Foundation, Lisbon, Portugal, Sep. 9-11.
2019	Learning Across Prisoners' and Hunters' Games. 2nd Conference on Learning, Evolution & Games (LEG2019), Bar-Ilan University, Tel Aviv, Israel, June 24-26.
2019	Categorization Learning Across Prisoners' and Hunters' Games. The 4th Agent-Based Models of Organizational Behavior (ABM04) Workshop, the University of Bozen, Italy, May 3-4.
2018	Polite Requests and the Division of Pragmatic Labor. The 20th International Congress of Linguistics (ICL20): The Dynamics of Language. The University of Cape Town, South Africa, July 2-6.
2018	Cognitive Frames and Cooperation over Give-Take-Collect Games. The 1st Conference on Opinion Dynamics and Cultural Conflicts in European Spaces (ODYCCEUS). Max Planck Institute for Mathematics in the Sciences, Leipzig, Germany, June 19-22.
2018	Evolutionary Stability of Linguistic Politeness and the Politeness Equilibrium Principle. The 12th International Conference on the Evolution of Language (Evolang XII). Nicolaus Copernicus University, Torun, Poland, Apr. 16-19.
2017	Evolutionary Stability of Linguistic Politeness. Inaugural Cultural Evolution Society Conference. University of Jena, Germany, Sep. 13-15.

2017	The Utterance Selection Model and Different Types of Replicator Selection. 23rd International Conference on Historical Linguistics (ICHL 23). University of Texas at San Antonio, TX, Jul. 31-Aug. 4.
2017	Diachrony of Progressive Grammars. 23rd Germanic Linguistics Annual Conference (GLAC 23). University of Texas, Austin, TX, Apr. 20-22.
2016	Diversity and Change of Case Marking Patterns. Formal Diachronic Semantics Workshop (FoDS 2016). University of Konstanz, Germany, Sep. 12-14.
2016	Semantics and Pragmatics of Aspectual Markers: A Game-Theoretic Model. The 49th Annual Meeting of the Societas Linguistica Europaea. University of Naples Federico II, Italy, Aug. 31 - Sep. 1.
2016	Progressive-Imperfective Morphology (Not Only) in the Germanic Languages. Berkeley Germanic Linguistics Roundtable. UC Berkeley, CA, Apr. 1-2.
2016	The Emergence of the Progressive to Imperfective Diachronic Cycle in Reinforcement-learning Agents. The 11th International Conference on the Evolution of Language (Evolang XI). Tulane University, New Orleans, LA, Mar. 21-24.
2016	Simulating Language Change in Social Networks through Dynamics of Learning and Innovation. The 11th International Conference on the Evolution of Language (Evolang XI), Workshop on Creativity and Innovation in the Evolution of Language (Creativolang). Tulane University, New Orleans, LA, Mar. 21-24.
2016	Diachrony of Aspectual Markers: Exploring Language Change with Game Theory. The 40th Annual Penn Linguistics Colloquium (PLC 40). University of Pennsylvania, PA, Mar. 18-20.
2016	Modeling the Grammaticalization Path of Functional Morphemes. A Game-theoretic Analysis. The 17th International Morphology Meeting, Workshop on Computational Methods for Descriptive and Theoretical Morphology. Vienna University of Economics and Business, Vienna, Austria, Feb. 18-21.
2015	The Long-term Benefits of Following Fairness Norms: A Game-theoretic Analysis. The 18th International Conference on Principles and Practice of Multi-Agent Systems (PRIMA 2015), Bertinoro, Italy, Oct. 26-30.
2014	Meaning, Evolution and the Structure of Society. The 1st European Conference on Social Intelligence (ECSI-2014), Barcelona, Spain, Nov. 3-5.
2014	Convention and Innovation in Social Networks. The 1st European Conference on Social Intelligence (ECSI-2014), Barcelona, Spain, Nov. 3-5.

2014	Structure and Variation of Signaling Conventions. The 1st European Conference on Social Intelligence (ECSI-2014), Barcelona, Spain, Nov. 3-5.
2014	Modality Switch in Human Language Evolution. The 10th International Conference on the Evolution of Language (Evolang X), University of Vienna, Austria, Apr. 14-17.
2013	The Game of Life, Decision and Communication. Workshop on Logical Models of Group Decision Making, 25th European Summer School in Logic, Language and Information (ESSLLI 2013). Heinrich-Heine-University Düsseldorf, Germany, Aug. 5-16.
2012	The Emergence of Human Language: Simulating Multi-Modal Communication. International Colloquium 'From Grooming to Speaking - Recent Trends in Social Primatology and Human Ethology'. University of Lisbon, Portugal, Sep. 10-12.
2012	Where Innovation Meets Evolution: Signaling Game Dynamics and the Vowel Space. Workshop on Formal Models of Communication, 24th European Summer School in Logic, Language and Information (ESSLLI 2012). University of Opole, Poland, Aug. 6-17.
2012	Work and Play - Simulating Language Contact. 36th Annual Penn Linguistics Colloquium (PLC 36). University of Pennsylvania, PA, Mar. 23-25.
2012	Simulating the Emergence of Conventions in Small-World Networks. The 21st Annual Conference on Behavior Representation in Modeling & Simulation (BRIMS 2012). Amelia Island, FL, Mar. 12-15.
2012	Signaling Conventions in Small-World Networks. The 3rd International Workshop on Complex Networks (CompleNet 2012). Melbourne, FL, Mar. 7-9.
2011	Signaling Conventions: Who Learns What Where and When in a Social Network? Workshop on Theoretical Pragmatics (TPrag 2011). Zentrum für Allgemeine Sprachwissenschaft (ZAS), Berlin, Germany, Oct. 13-15.
2011	Learning Implicatures as Conventions. Conference on Meaning, Context and Cognition (MCC 2011). University of Lodz, Poland, Mar. 24-26.
2010	Learning with Neighbors. Workshop on Theories of Information Dynamics and Interaction and Their Application to Dialogue (TIDIAD), 22nd European Summer School in Logic Language and Information (ESSLLI 2010). University of Copenhagen, Denmark, Aug. 9-20.

Posters Presented

2016	Self-organization In Sound Systems: A Model Of Sound Strings Processing Agents. The 11th International Conference on the Evolution of Language (Evolang XI). Tulane University, New Orleans, LA, Mar. 21-24.
2012	Conquest, Contact, and Convention: Simulating the Norman Invasion's Impact on Linguistic Usage. The 21st Annual Conference in Behavior Representation in Modeling & Simulation (BRIMS 2012). Amelia Island, FL, Mar. 12-15.
2012	Work & Play: Simulating Language Contact with Dynamic The 3rd International Workshop on Complex Networks
2012	Signaling Conventions in Small-World Networks. Conference on Linguistic Evidence 2012 (LingEvid 2012). UTübingen, Germany, Feb. 9-11.

Teaching (since 2012) (Sp: spring, Su: summer, F: fall, W: winter)

W 2020/21	*Language Evolution in the Laboratory. An Introduction to LabVanced.* Nicolaus Copernicus University Toruń, Poland.
F 2020	*Introduction to Python.* (Webinar). University of Regensburg, Germany.
Sp 2020	*Experimental Linguistics.* Nicolaus Copernicus University Toruń, Poland.
Sp 2020	*Introduction to Python.* Ludwig-Maximilian-University Munich, Germany.
Sp 2018	*Applications of Game Theory in Linguistics - A Tutorial.* The Ohio State University, Columbus, OH, USA.
Su 2017	*Pragmatics.* Eberhard Karls University Tübingen, Germany.
W 2016/17	*Models of Language Evolution.* UTübingen.
Su 2016	*Game Theory for Linguists.* UTübingen.
W 2015/16	*Modelle der Sprachevolution* (Models of Language Evolution). LMU Munich.
W 2015/16	*Introduction to Python.* UTübingen.

Su 2015	*Theories and Models of Language Change.* UTübingen.
W 2014/15	*Models of Language Evolution.* UTübingen.
Su 2014	*Typology I: Languages of the World.* UTübingen.
Su 2014	*Typology II: Language Evolution.* UTübingen.
W 2013/14	*Concepts in Object-oriented and Parallel Programming.* Reutlingen University, Germany.
W 2013/14	*Pragmatics and Game Theory.* UTübingen.
W 2013/14	*Master's Students Colloquium.* UTübingen.
Su 2013	*Concepts in Object-oriented and Parallel Programming.* UReutlingen.
Su 2013	*Socolinguistics & Network Games.* UTübingen.
W 2012/13	*Evolutionary Network Games.* UTübingen.
Su 2012	*Socolinguistics & Network Games.* UTübingen.

Advising

2017	*Undergraduate Thesis.* Richard Arthur Belk (Computational Linguistics). 'Evolution of Two Different Vowel Systems'.
2016	*Graduate Thesis.* Dankmar Enke (Linguistics). 'The Semantics and Pragmatics of Functional Morphemes. A Game-Theoretical Analysis'.
2015	*Undergraduate Thesis.* Stefan Wenninger (Cognitive Science). 'Learning to Network: Human Behavior in Social Structures'.

Departmental Service

2015-2016	*Master's Thesis Award Committee*, Humanities Division, UTübingen.

Professional Affiliations

member	Game Theory Society

Professional Service

journal review	Adaptive Behavior (SAGE), AI & Law (Springer), Entropy (MDPI), Erkenntnis (Springer), Games (MDPI), History and Philosophy of the Life Science (Springer), Journal of General Philosophy of Science (Springer), Journal of Language Evolution (Oxford University Press), Journal of Semantics (Oxford University Press), Language Sciences (Elsevier), Lingua (Elsevier), Linguistics (De Gruyter), Linguistics & Philosophy (Springer), Mathematics (MDPI), PLOS ONE (Public Library of Science), Synthese (Springer)
book review	MIT Press
abstract review	Evolang XI, XII, XIII, ESSLLI 2013, 2015, 2016, 2018, Workshop on Theoretical Pragmatics (TPrag 2011)
editorial board	Interdisciplinary Evolution Research (book series, Springer)
volumes edited	Laurent Perrussel, Emiliano Lorini & Roland Mühlenbernd (eds). Special Issue: Information Dynamics at ESSLLI 2014, in the series *Journal of Logic, Language and Information*. Heidelberg/New York: Springer.

Research Stays

2020	*Visiting Researcher*. Center for Economic Studies. Department of Economics, Ludwig-Maximilian-University Munich, Germany.
2018	*Visiting Researcher*. Department of Linguistics, The Ohio State University, OH, USA.
2017	*Visiting Researcher*. Department of Logic and Philosophy of Science, University of California Irvine, CA, USA.
2017	*Visiting Researcher*. Centre for Language Evolution Studies, Nicolaus Copernicus University, Torun, Poland.
2015	*Visiting Researcher*. International Centre for Mathematics and Computer Science (CIMI), Paul Sabatier University, Toulouse, France

Languages and Skills

languages	German (native), English (business fluent), Dutch, Spanish, Italian (A1)
skills	Python, Java, C++, C#, R, LaTeX, HTML, XML