

Curriculum Vitae

Corina Strößner

Address

Institute for Philosophy II
Ruhr University Bochum
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Germany
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Area of Specialisation

Cognitive Science; Philosophy of Science; Logic

Area of Competence

Epistemology, Philosophy of Language, Philosophy of Medicine; Generalized Theory of Evolution; Philosophy of Mind

Positions and Fellowships

since 04/2023
Ruhr University Bochum
Postdoctoral researcher at the department of philosophy II
PI of ‘The role of similarity and inference in concepts’

04/2022 – 04/2023
Birkbeck, University of London
Research fellow at the department for psychological sciences
Research project on normative-descriptive interplay in reasoning and argumentation research (PI: U. Hahn)

04/2020 – 04/2022
Ruhr University Bochum
Postdoctoral researcher at the department of philosophy II
Research group: From perception to belief and back again (PI: P. Brössel)

01/2016 – 06/2019 & 10/2019 – 03/2020

Heinrich Heine University Düsseldorf

Postdoctoral researcher at the Duesseldorf Center for Logic and Philosophy of Science and the Collaborative Research Centre 991: The Structure of Representations in Language, Cognition, and Science (PI: G. Schurz)

10/2014 – 12/2014

University of Groningen

Visiting Fellow at the faculty of philosophy

04/2014 – 12/2014

University of Konstanz

Research Fellow

01/2012 – 03/2014

University of Konstanz

Postdoctoral researcher at the department of philosophy

09/2011 – 12/2011

Saarland University

Researcher at the Institute for Formal Ontology and Medical Information Science

09/2010–08/2011

Saarland University

Fellow at the department of philosophy

04/2008 – 08/2010

Saarland University

Doctoral researcher at the department of philosophy

Education

2012 PhD in philosophy, Saarland University

Thesis on normality statements, supervised by Niko Strobach, Ulrich Nortmann (summa cum laude)

2006 M.A. in philosophy (minor: German linguistics), University of Rostock

Thesis on paraconsistent logic, supervised by Niko Strobach

Grants and Awards

2022: DFG Grant for “The role of similarity and inference in concepts”, € 324,530

2021: Open Access fund from the Ruhr University Bochum, € 1,200

2019: Travel Grant for ESSLLI 2019 by Heinrich Heine University Düsseldorf, € 370

2018: DFG Grant for “The Generalized Theory of Evolution”, €5,350
2014: Honorary Scholarship of Rijksuniversiteit Groningen, €4,500
2014: Eduard-Martin-Preis for PhD thesis of the Saar University, €500
2014: Fellowship by the University of Konstanz, €17,900
2010: Fellowship by graduate scholarship program, €10,900
2010: Grant for a workshop by GAP, with N. Strobach, €1,000

Publications

Books

Strößner, C. (2014) *Die Logik der Normalität: Untersuchungen zur Semantik von Normalitätsurteilen* (The logic of normality: studies on the semantics of normality judgements), LOGOS De Gruyter

Edited volumes

Feldbacher-Escamilla, C., Baraghith, K. & Strößner, C. (2021) “The Generalized Theory of Evolution”, special issue of the *American Philosophical Quarterly* 58 (1)

Peer-reviewed articles in journals and conference proceedings

Strößner, C. & Hahn, U. (2023): “How Well Do Humans Learn Conditional Probabilities?”, *Proceedings of the Annual Meeting of the Cognitive Science Society*, 45, <https://escholarship.org/uc/item/3p3551n3>

Strößner, C. (2023): “Hybrid frameworks of reasoning: normative-descriptive interplay”, *Proceedings of the Annual Meeting of the Cognitive Science Society*, 45, <https://escholarship.org/uc/item/58j925zr>

Strößner, C. (2022): “Criteria for Naturalness in Conceptual Spaces”. *Synthese*, <https://doi.org/10.1007/s11229-022-03610-4>

Strößner, C. (2021): “Conceptual Learning and Local Incommensurability: A Dynamic Logic Approach”. *Axiomathes*, <https://doi.org/10.1007/s10516-021-09563-6>

Strößner, C. (2021): “Default Inheritance in Modified Statements: Bias or Inference?”. *Frontiers in Psychology* 12, 1050, <https://www.frontiersin.org/article/10.3389/fpsyg.2021.626023>

Strößner, C. (2020): “Integrating conceptual spaces in frames”. *IfCoLog Journal of Applied Logics* (7, 5), 683–706, <http://www.collegepublications.co.uk/downloads/ifcolog00041.pdf>

- Strößner, C. (2020): “Compositionality meets belief revision: a Bayesian model of modification”. *Review of Philosophy and Psychology* (11), 859–880, <https://doi.org/10.1007/s13164-020-00476-8>
- Strößner, C. & Schurz, G. (2020): “The role of reasoning and pragmatics in the modifier effect”. *Cognitive Science* (44, 2), e12815, <https://doi.org/10.1111/cogs.12815>
- Strößner, C. (2020) “Predicate change: a study on the conservativity of conceptual change”. *Journal of Philosophical Logic* (49), 1159–1183, <https://doi.org/10.1007/s10992-020-09552-x>
- Strößner, C. (2020) “Existential import, Aristotelian logic, and its generalizations”. *Logica Universalis* (14), 69–102 <https://doi.org/10.1007/s11787-020-00245-2>
- Strößner, C., Schuster, A. & Schurz, G. (2020) “Modification and default inheritance”. In Löbner, S., Gamerschlag, T., Kalenscher T., Schrenk, M. & Zeevat, H. (eds): *Concepts, Frames and Cascades in Semantics, Cognition and Ontology*, Cham: Springer, 311–327 https://doi.org/10.1007/978-3-030-50200-3_14
- Schuster, A., Strößner, C, Sutton, P. & Zeevat, H. (2020): „Stochastic Frames”. *Proceedings of the Probability and Meaning Conference* , ACL Anthology, 78–85, <https://www.aclweb.org/anthology/2020.pam-1.11>
- Strößner, C. (2019) “The normative force of logical and probabilistic reasoning in improving beliefs”. *Theoria* 30, 435–458, <https://doi.org/10.1111/theo.12214>
- Strößner, C. (2018) “The Logic of ‘most’ and ‘mostly’”. *Axiomathes* (28, 1), 107–124, <https://doi.org/10.1007/s10516-017-9338-2>
- Strößner, C. (2015) “Normality and majority: towards a statistical understanding of normality statements”. *Erkenntnis* (80, 4), 793–809, <https://doi.org/10.1007/s10670-014-9674-1>
- Strößner, C. (2013) “Statistical and non-statistical normality” In Hoeltje, M., Spitzley, T. & Spohn, W. eds.): *Was dürfen wir glauben? Was sollen wir tun? - Sektionsbeiträge des achten internationalen Kongresses der Gesellschaft für Analytische Philosophie e. V.* DuEPublico, 199–209, https://duepublico2.uni-due.de/receive/duepublico_mods_00031200.
- Strößner, C. & Strobach, N. (2012) “Veridications and their square of opposition”. In Béziau J.-Y. and Payette G. (eds.), *New perspectives on the square of opposition*. Peter Lang Bern

Other publications

Strößner, C. (2023): Review of: Teleology, backward causation, and the nature of concepts. A study in non-locality of reason by Marcin Poreba, <https://doi.org/10.32388/MPP2BK>

Bewersdorf, B. & Strößner, C. (2013): Editorial and interview with Wolfgang Spohn. *The Reasoner 7/2013*, <https://cdn-researchkent.pressidium.com/reasoning/wp-content/uploads/sites/1804/2019/06/TheReasoner-77-screen.pdf>

Strößner, C. (2013) “Conference report: Fifth and Final Formal Epistemology Festival”. *The Reasoner 7/2013*, <https://cdn-researchkent.pressidium.com/reasoning/wp-content/uploads/sites/1804/2019/06/TheReasoner-77-screen.pdf>

Sanfilippo, E., Schwarz, U. & Strößner, C. (2012) *List of domain quality-checked ontologies and initial release of HDOT and its glass box evaluation*, p-medicine deliverable 4.1, http://p-medicine.eu/fileadmin/p-medicine/public_website/downloads/p-medicine_270089_D4-1_Domain_quality-checked_ontologies_and_initial_release_of_HDOT_v4-0.pdf

Selected presentations

“Reasoning: Bridges across the normative-descriptive divide” (with U. Hahn), How should we reason, Munich 12/10/2023

“Abduction to rational explanation in cognitive science”, SOPhiA workshop on rational abduction, Salzburg 07/09/2023

“Probabilistic prototypes and default inheritance” (with A. Schuster), PROGIC, Utrecht 01/09/2023

“Learning from conditional probabilities” (with U. Hahn), London Reasoning Workshop (virtual) 24/07/2023

“Normative, descriptive and hybrid approaches to reasoning”, Models of Reasoning and Normativity, Bochum 15/06/2023

“Conceptual spaces: normative and descriptive aspects”, ConSpa@Work, Warsaw (virtual), 01/06/2023

“Conceptual spaces and natural concepts: normative and descriptive aspects”, The Cognitive and Ontological Dimensions of Naturalness, Düsseldorf 23/05/2023

“Reasoning: Between normative and descriptive frameworks”, Greifswald 17/11/2022

“Natural concepts and conceptual spaces”, GAP.8 (Conference of the German Society for Analytic Philosophy), Berlin 13/09/2022

“Cognitive science between normativity and descriptivity”, KogWiss (German Cognitive Science Conference), Freiburg 06/09/2022

“Natural concepts and probabilistic conceptual spaces”, Paris (virtual) 20/07/2022

“Criteria of naturalness in probabilistic conceptual spaces", Colloquium of the Duesseldorf Center for Logic and Philosophy of Science, Düsseldorf 09/11/2021

“Criteria of naturalness in conceptual spaces”, Protolang 2021, Düsseldorf (virtual) 07/09/2021

“Default Inheritance in Modified Statements: Bias or Inference?", ESPP 2021, Leipzig (virtual) 02/09/2021

“Criteria of naturalness in conceptual spaces”, ESPP 2021, Leipzig (virtual) 01/09/2021

“Conceptual change and local incommensurability”, Rhine Ruhr Epistemology Workshop, Cologne virtual 23/07/2021

“Criteria of naturalness in conceptual spaces”, 2nd Congress of RSHPS, St Petersburg (virtual), 27/11/2020

“Integrating conceptual spaces in frames” and “Comment on Branden Fitelson: Probabilities of Conditionals and Conditional Probabilities – Revisted”, Epistemology Seminar III, Bochum virtual, 16/06/2020 – 17/06/2020

“Learning and changing predicates”, Colloquium of the Duesseldorf Center for Logic and Philosophy of Science, Düsseldorf 28/04/2020

“Conceptual spaces in frames”, SemSpace (Workshop on semantic spaces at the intersection of NLP, physics, and cognitive science), Riga 06/08/2019

“Natural concepts in a brain-based feature system” (with H. Zeevat), GWP (Conference of the German Society for Philosophy of Science), Cologne 25/02/2019

“The role of reasoning and pragmatics in the modifier effect” (with G. Schurz), Philosophy meets cognitive science, Bochum 22/11/2018

“The rationality of predicate change”, Colloquium of the Munich Center for Mathematical Philosophy, Munich 15/11/2018

“Comment on Jan-Willem Romeijn: Epistemic diversity and editor decisions”, Joint colloquium of GAP (German Society for Analytic Philosophy) and GWP (German Society for Philosophy of Science): Belief aggregation and epistemic diversity in science, Cologne 18/09/2018

“Stochastic frames: motivations, applications, and challenges” (with A. Schuster, P. Sutton, H. Zeevat), Cognitive Structures 2018, Düsseldorf 13/09/2018

“Is the modifier effect explained by rational reasoning?” (with G. Schurz), Cognitive Structures 2018, Düsseldorf 13/09/2018

“Stochastic frames” (with A. Schuster, P. Sutton, H. Zeevat), Uncertainty in Meaning and Representation in Linguistics and Philosophy, Jelenia Góra 21/02/2018

“Prototype frames” (with A. Schuster), Probabilistic Approaches to (Prototype) Concepts, affiliated workshop of the SOPhiA, Salzburg 13/09/2017

“The rationality of predicate change”, ECAP 9 (European Congress of Analytic Philosophy), Munich 22/08/2017

“Frames, constraints and modification”, ESSP 2017 (Annual Meeting of the European Society for Philosophy and Psychology), Hertfordshire 14/08/2017

“Logik und Kognition” (Logic and cognition), Frege centre, Wismar 11/05/2017

“What can we infer from typicality?”, Honorary Colloquium for Gerhard Schurz, Düsseldorf 3/12/2016

“Modification and default inheritance” (with G. Schurz and A. Schuster), Cognitive Structures 2016, Düsseldorf 17/09/2016

“Constraints: theory and experiments”, Reasoning in Conceptual Spaces II, Stockholm 24/08/2016

“Default inheritance”, Reasoning in Conceptual Spaces I, Amsterdam 28/06/2016

“Hässliche Einhörner und Planet Pluto” (Ugly unicorns and planet Pluto), Kam-inabend of the Centre for Logic, Philosophy and History of Science, Rostock 07/01/2016

“Ugly unicorns and planet Pluto. The logic of predicate change”, Colloquium of the Duesseldorf Center for Logic and Philosophy of Science, Düsseldorf 20/10/2015

“The normativity of probability and logic: the difference between lotteries and books”, GAP.9 (Conference of the German Society for Analytic Philosophy), Os-nabrück 18/09/2015

“Efficient defaults”, Decisions, Games, and Logic, Stockholm 17/06/2013

“Statistical and non-statistical normality”, GAP.8 (Conference of the German Society for Analytic Philosophy), Konstanz 17/09/2012

“Majority and ontological typicality”, Work in progress seminar of the Munich Center for Mathematical Philosophy, Munich 20/10/2011

“A quantitative logic of normality”, CLMPS 14 (Congress of Logic, Methodology and Philosophy of Science), Nancy 25/07/2011

- “Evolution and the ontology of typicality”, Bioprozesse II, Rostock 25/03/2011
- “Justification and normality”, FEW (Formal Epistemology Workshop) 2010, Konstanz 03/09/2010
- “Many-valued logics and some variations of the square”, Second World Congress on the Square of Opposition, Corte 17/06/2010 - 20/06/2010
- “Belief or fact: on the epistemic status of normality”, Cultures of Knowledge, Toruń 26/05/2010
- “Extensions of the logical square for veridicators in many-valued logic”, NOT-Workshop on the Geometry of Logical Opposition, Leuven 23/01/2010
- “‘Most’ and ‘probably’: quantifiers and statistical reasoning”, PROGIC (Workshop on Combining Probability and Logic), Groningen 19/09/2009
- “Łukasiewicz’s thought style between Aristotelian tradition and modern logic”, Łukasiewicz et la histoire de la logique, Nancy 06/05/2009
- “Normalitätsschlüsse” (Normality-based reasoning), Undergraduate Workshop on Concepts of Reasoning, Saarbrücken 26/03/2009
- “A Blanché star for truth-functional paraconsistent one-place operators”(with N. Strobach), First World Congress on the Square of Opposition, Montreux 03/06/2007

Poster presentations

- “How Well Do Humans Learn Conditional Probabilities?” (with U. Hahn), CogSci, Sydney 27/07/2023
- “Hybrid frameworks of reasoning: normative-descriptive interplay”, CogSci, Sydney 27/07/2023
- “Criteria of naturalness in conceptual spaces”, CARLA 2021, Bolzano (virtual) 17/09/2021
- “Stochastic frames” (with A. Schuster, P. Sutton, and H. Zeevat), Probability and Meaning, Gothenburg (virtual) 15/10/2020
- “Is the modifier effect explained by rational reasoning?” (with G. Schurz), EuroCogSci (European Conference for Cognitive Science), Bochum 02/09/2019
- “The rationality of predicate change”, 20th Workshop on the roots of pragmasemantics, Szklarska Poręba 01/03/2019
- “The rationality of predicate change”, GAP.10, Cologne 01/03/2019 – 04/03/2019
- “The rationality of conceptual change”, GAP.9, Osnabrück 14/09/2015 – 18/09/2015

“The rationality of conceptual change”, Nature and Origins of Human Cognition, Berlin 18/06/2015 – 19/06/2015

Research meeting talks

“Concepts: Representation, Reasoning, & Revision”, Bochum 18/05/2022

“Default logic and modification”, Colloquium Logic and Epistemology, Bochum 02/12/2021

“Natural concepts”, Workshop with Peter Gärdenfors, Bochum 12/10/2021

“The rationality of predicate change”, Colloquium of the CRC991, Düsseldorf 29/11/2018

“Stochastic frames” (with A. Schuster, P. Sutton, H. Zeevat), Colloquium of the CRC991, Düsseldorf 12/04/2018

“Frames and conceptual spaces”, Colloquium of the DCLPS, Düsseldorf 02/05/2017

“Frames and conceptual spaces: connections and comparisons”, Colloquium of the CRC991, Düsseldorf 24/11/2016

“Prototype frames: theory and experiment” (with A. Schuster), Colloquium of the DCLPS, Düsseldorf 24/05/2016

“Probabilities in prototype frames”, Workshop on Probabilities in Frames, Düsseldorf 23/05/2016

“Epistemology of concepts”, Promotion Club Cognitive Patterns, Groningen 27/10/2014

“Understanding normality statements”, Workshop with Jeffrey A. Barrett, Konstanz 30/04/2012

“Norm and Normalität” (Norm and Normality), Colloquium of the department of philosophy, Saarbrücken 03/12/2008

Lectures for public audience

Two lectures on logic of communication for teachers, Konstanz 15/05/2015

Two lectures for pupils, University of Konstanz 11/03/2014

Five public lectures on philosophy in Kieslowski’s movies, Saarbrücken 27/04/2010 – 29/06/2010

Two public lectures on logic and communication, Open day of the Saarland University, Saarbrücken 22/06/2010

Teaching¹

Ruhr University Bochum

2021/22 winter term

- Basic seminar*: Logic and philosophical methodology (for Master program Cognitive Science)

Heinrich Heine University Düsseldorf

2019 summer term

- Course*: Statistics with R (for summer school on philosophical engineering)
- Basic seminar*: Philosophy in movies: possible worlds, free will and personal identity (with M. Sekatskaya)

2018/19 winter term

- Introductory seminar: Logic I

2018 summer term

- Advanced seminar: Normality assumptions in common sense and sciences

2017 summer term

- Advanced seminar: Philosophy of biology (with K. Baraghith)

University of Konstanz

2014 summer term

- Advanced seminar: Similarity

2013/14 winter term

- Seminar: On the genealogy of morality
- Advanced seminar*: Concepts and categorization

Saarland University

2010 summer term

- Seminar: Probability
- Seminar: Philosophy in Kieślowski's 'Dekalog'

2009 summer term

- Advanced seminar: David Lewis: language, logic, metaphysics

¹Teaching in English is indicated with *. Other courses were taught in German.

2008/09 winter term

- Seminar: Philosophy in aphorisms – Nietzsche, Wittgenstein, et. al.
- Substitute lectures: Logic and philosophy of language

2008 summer term

- Seminar: Łukasiewicz on the law of non-contradiction

University of Rostock

2011 summer term

- Seminar: Foundations of analytical philosophy: Frege and Russel (with T. Breidenmoser)

2006/07 winter term

- Advanced seminar: Logic and pragmatics (with N. Strobach)
- Tutorial: Logic

2005 summer term

- Tutorial: Modern philosophy

2003 summer term

- Tutorial: Logic

Other Academic Activities

Conference organization

Part of the organizing committee of “Models of Reasoning and Normativity”, Bochum 15/06/2023 – 16/06/2023

Part of the organizing committee of “CARLA 2022”, Berlin, 22/08/2022 – 24/08/2022

Part of the organizing committee of “Bayesian learning and reasoning workshop”, Bochum, 11/07/2022 – 12/07/2022

Part of the organizing committee of “Concepts and Reasoning”, Bochum, 20/06/2022 – 21/06/2022

Organization of “Analyzing concepts and common sense reasoning in conceptual spaces”, affiliated symposium of the ESPP 21, Leipzig (virtual) 30/08/2021

Part of the organizing committee of “CARLA 2021”, Bolzano 16/09/2021 – 17/09/2021

Part of the organizing committee of “Protolang 2021”, Düsseldorf 06/09/2021 – 09/09/2021

Organization of “Mindless Explanations? The Causal and Explanatory Role of Mental States” (with M. Sekatskaya), affiliated workshop of SOPhiA, Salzburg 19/09/2019

Member of the program committee of the GAP.10 (Conference of the German society of analytic philosophy), Logic section , Cologne 17/09/2018 – 20/09/2018

Co-chair of the program committee of the workshop “Uncertainty in Meaning and Representation in Linguistics and Philosophy”, Jelenia Góra 21/02/2018 – 23/02/2018

Organization of “The Generalized Theory of Evolution” (with C. Feldbacher-Escamilla and K. Baraghith), Düsseldorf 31/01/2018 – 03/02/2018

Organization of “Probabilistic Approaches to (Prototype) Concepts” (with A. Schuster), affiliated workshop of SOPhiA, Salzburg 13/09/2017

Assistance at the GWP 2016, Düsseldorf 08/03/2016 – 11/03/2016

Assistance at the Fifth and Final Formal Epistemology Festival, Toronto 02/06/13 – 05/06/13

Assistance and Commentator at the LEMMing Graduate Conference, Cologne 29/11/12 – 01/12/12

Organization of a philosophical cinema show with introductory talks and discussion: Kieślowskis ‘Dekalog’ (with N. Strobach and Kino 8½), Saarbrücken 27/04/10 – 29/06/10

Organization of an undergraduate workshop “Konzepte des Folgerns” (Concepts of Reasoning), Saarbrücken 26/03/09 – 29/03/09

Selected reviews

Cognitive Science (8), Synthese (6), Axiomathes (4), Journal of Philosophical Logic (2), Review of Philosophy and Psychology (3), Studies in Universal Logic, Mind & Machines, Philosophy of science

Memberships

GK - Gesellschaft für Kognitionswissenschaft (German society of cognitive science)

CogSci - Cognitive Science Society

GWP - Gesellschaft für Wissenschaftsphilosophie GWP (German society for philosophy of science)

GAP - Gesellschaft für analytische Philosophie (German society of analytic philosophy)

CRC 991 - Collaborative Research Centre 991: The Structure of Representations in Language, Cognition, and Science (2016–2020)
ZLWWG - Zentrum für Logik, Wissenschaftstheorie und Wissenschaftsgeschichte
Rostock (Centre for Logic, Philosophy and History of Science) - founding member

Skills

- Languages: German (native speaker), English (C1), Polish (A2)
- Software: LaTeX, SPSS Statistics, R Statistics, Windows and Libre Office
- Designing, running and analysing psychological experiments with adults

References

Peter Brössel

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Gerhard Schurz

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