Rasmus Blanck

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EDUCATION

2017	**Ph.D.**, **Logic**, University of Gothenburg
2012	**Fil. lic.**, **Logic**, University of Gothenburg
2009	**B.A.**, **Logic**, University of Gothenburg

CURRENT POSITION

2022–	**Associate senior lecturer in computational linguistics** (tenure track) Dept. of Philosophy, Linguistics and Theory of Science, University of Gothenburg

ACADEMIC EMPLOYMENT

2022	**Senior lecturer in logic and theoretical philosophy** (6 months) Dept. of Philosophy, Linguistics and Theory of Science, University of Gothenburg
2021–2022	**Senior lecturer in logic and theoretical philosophy** (6 months) Dept. of Philosophy, Linguistics and Theory of Science, University of Gothenburg
2021	**Senior lecturer in logic and theoretical philosophy** (6 months) Dept. of Philosophy, Linguistics and Theory of Science, University of Gothenburg
2020–2021	**Senior lecturer in logic and theoretical philosophy** (6 months) Dept. of Philosophy, Linguistics and Theory of Science, University of Gothenburg
2020	**Visiting lecturer** (6 months) Dept. of Philosophy, Linguistics and Theory of Science, University of Gothenburg
2018–2020	**Postdoctoral researcher in computational linguistics** (2 years) Centre for Linguistic Theory and Studies in Probability Dept. of Philosophy, Linguistics and Theory of Science, University of Gothenburg
2017	**Lecturer** (3 months) Dept. of Philosophy, Linguistics and Theory of Science, University of Gothenburg
2012–2013	**Lecturer** (18 months) Dept. of Philosophy, Linguistics and Theory of Science, University of Gothenburg
2006	**Lecturer** (1 year) Dept. of Philosophy, University of Gothenburg
2004–2005	**Lecturer** (7 months) Dept. of Philosophy, University of Gothenburg
2003–2016	**Part-time fixed-term teacher** 9 positions ranging between 20 and 45% of full time, University of Gothenburg

PUBLICATIONS

2022	*Probabilistic Approaches to Linguistic Theory.* J.-P. Bernardy, R. Blanck, S. Chatzikyriakidis, S. Lappin, and A. Maskharashvili (eds.), Stanford: CSLI Publications. Forthcoming.

2022	"Bayesian inference semantics for natural language", [with J.-P. Bernardy, S. Chatzikyriakidis, S. Lappin, and A. Maskharashvili], *Probabilistic Approaches to Linguistic Theory* (J.-P. Bernardy, R. Blanck, S. Chatzikyriakidis, S. Lappin, and A. Maskharashvili, eds.), Stanford: CSLI publications. Forthcoming.
2022	"Never trust an unsound theory" [with C. Bennet], *Theoria*, vol. 88, no. 5, pp. 1053–1056.
2021	"Hierarchical incompleteness results for arithmetically definable extensions of fragments of arithmetic", *The Review of Symbolic Logic*, vol. 14, no. 3, pp. 624–644.
2020	"A Logic with Measurable Spaces for Natural Language Semantics" [with J.-P. Bernardy and A. Maskharashvili], *Applied Mathematics, Informatics and Mechanics*, vol. 25, no. 2, pp. 31–44.
2020	"From tree adjoining grammars to higher order representations of abstract meaning representations via abstract categorial grammars" [with A. Maskharashvili], *Logic and Algorithms in Computational Linguistics 2018 (LACompLing2018)* (R. Loukanova, ed.), Studies in Computational Intelligence 860, pp. 67–93, Berlin Heidelberg: Springer-Verlag.
2019	"Predicates as Boxes in Bayesian Semantics for Natural Language" [with J.-P. Bernardy, S. Chatzikyriakidis, S. Lappin, and A. Maskharashvili], *Proceedings of The 22nd Nordic Conference on Computational Linguistics (NoDaLiDa 2019)* (B. Plank, ed.), pp. 333–337, Linköping: Linköping University Electronic Press.
2019	"A Logic with Measurable Spaces for Natural Language Semantics", [with J.-P. Bernardy and A. Maskharashvili], TbiLLC 2019: Thirteenth International Tbilisi Symposium on Language, Logic and Computation, 3 pp.
2019	"Bayesian inference semantics: a modelling system and a test suite" [with J.-P. Bernardy, S. Chatzikyriakidis, S. Lappin, and A. Maskharashvili], *Proceedings of the Eighth Joint Conference on Lexical and Computational Semantics (*SEM)*, pp. 263–272, Stroudsburg, PA: Association for Computational Linguistics.
2018	"From TAG to HOL representations of AMRs via ACGs" [with A. Maskharashvili], *Proceedings of the Symposium on Logic and Algorithms in Computational Linguistics 2018* (K. Angelov, K. Liefke, R. Loukanova, M. Moortgat, and T. Satoshi, eds.), pp. 23–33, Stockholm University.
2018	"A compositional Bayesian semantics for natural language" [with J.-P. Bernardy, S. Chatzikyriakidis, and S. Lappin], *Proceedings of the First International Workshop on Language Cognition and Computational Models, Santa Fe*, pp. 1–10, Stroudsburg, PA: Association for Computational Linguistics.
2017	*Contributions to the Metamathematics of Arithmetic*, vol. 30 of *Acta Philosophica Gothoburgensia*. Gothenburg: Acta Universitatis Gothoburgensis, 107 pp.
2017	"Marginalia on a theorem of Woodin" [with A. Enayat], *The Journal of Symbolic Logic*, vol. 82, no. 1, pp. 359–374.
2016	"Flexibility in fragments of Peano arithmetic", *Studies in Weak Arithmetics, Vol. 3* (P. Cégielski, A. Enayat, and R. Kossak, eds.), no. 217 in CSLI Lecture Notes, pp. 1–20, Stanford: CSLI Publications.
2016	"Flexible formulae and partial conservativity", *The Bulletin of Symbolic Logic*, vol. 22, no. 3, p. 390.
2014	"Two consequences of Kripke's lemma", *Idées fixes. A festschrift dedicated to Christian Bennet on the occasion of his 60th birthday* (M. Kaså, ed.), no. 61 in Philosophical Communications, Web series, pp. 45–53, Gothenburg: University of Gothenburg.
2011	*Metamathematical fixed points*. No. 41 in Philosophical Communications, Red Series, Gothenburg: University of Gothenburg, 72 pp.

Formal pedagogical qualifications

Teaching and Learning in Higher Education 2: Subject Field Pedagogy (3.5 weeks)
Supervision in Postgraduate Programmes (5 hec)
Teaching and Learning in Higher Education 1: Basic Course (5 hec)
Didactics and methodology of higher learning and research (5 hec)
Teaching under supervision (5 hec)

Teaching experience at the University of Gothenburg

Summary (full details available on request)

Lecturer, seminar leader, supervisor, or teaching assistant on 63 instances of over 20 different courses, first and second cycle.

Supervision

Three Master's theses (2020)
One undergraduate thesis (7.5 hec) (2021)

Topics taught

First-order logic and related topics (for student groups in logic, philosophy, Liberal Arts, and information systems), Completeness and decidability of formal systems, Automata and complexity theory, Second-order logic, Intuitionistic logic, Philosophy of language, Philosophy of mathematics, Theory and methods of science for teachers, Argumentation theory, Academic writing, Semantics, Geometry, Modal logic, Model theory, Set theory

Professional service

Conference organisation

2019	13th International Conference on Computational Semantics (IWCS 2019) May 23–27 2019, Gothenburg, Sweden. Member of the programme committee.
2018	Tenth Scandinavian Logic Symposium, June 11–13 2018, Gothenburg, Sweden. Member of the programme and organising committees.
2014	Journées sur les Arithmétiques Faibles 33 (JAF33), June 16–18 2014, Gothenburg, Sweden. Member of the local organising committee.

Reviewing

Journal of Logic, Language and Information; Theoretical Computer Science; Mathematical Reviews/MathSciNet; The Review of Symbolic Logic; The Bulletin of Symbolic Logic; FroCoS 2019; Studies in Computational Intelligence; Philosophical Quarterly.

Departmental and university service

2018–2020	Member of the Steering committee of the Centre for Linguistic Theory and Studies in Probability, Dept. of Philosophy, Linguistics and Theory of Science, University of Gothenburg.
2009–2012	Substitute member of the Department board at the Department of Philosophy, Linguistics and Theory of Science, University of Gothenburg.
2008	Member of the Doctoral student council for the humanities (HDR), Faculty of Arts, University of Gothenburg.

Professional affiliations

Association for Symbolic Logic

Scholarships and awards

2017	**Bertil Settergrens fond**
	Scholarship awarded to former students of Hvitfeldtska gymnasiet
2016	**Stiftelsen Paul och Marie Berghaus donationsfond**
	Travel grant, JAF35, Lisbon, Portugal
2015	**Stiftelsen Paul och Marie Berghaus donationsfond**
	Doctoral scholarship
2015	**Stiftelsen Henrik Ahrenbergs studiefond**
	Travel grant, Logic Colloquium 2015, Helsinki, Finland
2014	**Adlerbertska stipendiestiftelsen**
	Doctoral scholarship
2014	**Stiftelsen Paul och Marie Berghaus donationsfond**
	Travel grant, Scandinavian Logic Symposium 2014, Tampere, Finland
2013–2014	**Kungliga och Hvitfeldtska stiftelsen**
	Doctoral scholarship, 1 year
2008–2011	**Anna Ahrenbergs fond för vetenskapliga m.fl. ändamål**
	Doctoral scholarship, 4 years
2008	**Adlerbertska stipendiestiftelsen**
	Travel grant, Foundations of Mathematics 2009, New York, USA
2006	**Adlerbertska Studentbostadsstiftelsen**
	Undergraduate scholarship
2004	**Adlerbertska Studentbostadsstiftelsen**
	Undergraduate scholarship

Invited talks

2021	Incompleteness results for arithmetically definable extensions of strong fragments of PA, Models of Peano Arithmetic seminar, CUNY graduate center, New York (online), Nov. 15.

Conference presentations (not in proceedings)

2016	"A characterisation of Π_1-conservativity over $\mathrm{I}\Sigma_1$", Journées sur les Arithmétiques Faibles 35, 6–7 June, Lisbon, Portugal.
2015	"Flexibility and Π_1-conservativity", Bristol-Gothenburg-Oxford Logic and Set Theory Postgraduate Student Day, 22 April, Bristol, UK.
2014	"Flexible formulae of arithmetic", Journées sur les Arithmétiques Faibles 33, 16–18 June, Gothenburg, Sweden.
2011	"Fixpunktsmängder" (In Swedish), Filosofidagarna 2011, Gothenburg, Sweden.
2010	"Sets of fixed points", Sino-European Winter School in Logic, Language and Computation, Sun Yat-Sen University, Guangzhou, China, Dec. 3–18.

Other presentations

2022	"Never trust an unsound theory", Logic seminar, University of Gothenburg, 6 May.
2020	"Interpretability and flexible formulas", Logic seminar, University of Gothenburg, 18 December.
2019	"Löb's theorem", Colloquium in Logic, University of Gothenburg, 28 March.
2018	"A Compositional Bayesian Semantics for Natural Language", CLASP research profile seminar, University of Gothenburg, 3 October.

2018	"Hierarchical incompleteness and arithmetically definable fragments of arithmetic", Logic seminar, University of Gothenburg, 8 February.
2017	"Rough Sets and Degree Modifiers", CLASP research profile seminar, University of Gothenburg, 13 December.
2015	"Illusory models of Peano arithmetic", Logic seminar, University of Gothenburg, 11 November.
2014	"Formulae expressing the same property", Logic seminar, University of Gothenburg, 21 March.
2013	"Flexible formulae in arithmetic", Logic seminar, University of Gothenburg, 29 November.
2009	"Some remarks on Reverse Mathematics as a partial realization of Hilbert's program", Logic seminar, University of Gothenburg, 25 September.
2008	"Non-standard proofs, a survey", Logic seminar, University of Gothenburg, 3 November.
2006	"On Rosser sentences and proof predicates", Logic seminar, University of Gothenburg, 1 September.
2005	"Fixed points and equivalence of Rosser sentences", Logic seminar, University of Gothenburg, 2 December.