

CURRICULUM VITAE

Dr. Peter Schroeder-Heister

Position: Professor of Logic and Philosophy of Language
Joint appointment in the Department of Computer Science and the
Department of Philosophy of the University of Tübingen

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Born: 2 March 1953 in Düren, Germany

Married: Since 1979 with Dr. Gabriele Heister

Children: Paula (born 1984), Justin (born 1987)

School Education: 1971 Stiftisches Gymnasium Düren, Abitur [German high school leaving certificate]

University Education: 1971-1978 Philosophy, Mathematics, Logic and Foundations of Mathematics, Universities of Bonn, Cologne and Aachen

Degrees: May 1977 Staatsexamen [equivalent to M.A.] in Philosophy and Mathematics, University of Bonn

May 1981 Dr. phil. in Logic and Foundations of Mathematics, University of Bonn
Thesis: *Untersuchungen zur regellogischen Deutung von Aussagenverknüpfungen [Investigations on the rule based interpretation of logical connectives]*
(Supervisors: Professor Gisbert Hasenjaeger, Bonn
Professor Dag Prawitz, Stockholm)

Dec 1988 Habilitation [German postdoctoral degree] in Philosophy, University of Konstanz
Thesis: *Structural Frameworks with Higher-Level Rules. Philosophical Investigations on the Foundations of Formal Reasoning*

Professional Career:	1978-1989	Positions as Lecturer, Research Associate and Assistant Professor at the University of Konstanz
	Since 1989	Full Professor of Logic and Philosophy of Language, University of Tübingen (joint appointment in the Department of Computer Science and the Department of Philosophy since 1992)
Offers Declined:	1990	Professor of Formal Logic (Free University of Berlin, 1990)
	2000	Chair of Philosophy of Science (University of Salzburg, successorship to Paul Weingartner)
Visiting Fellowships:	1983	(Feb-Apr) Honorary Fellow, Institute for Advanced Studies in the Humanities, University of Edinburgh
	1985	(Feb-Apr) Department of Logic and Metaphysics, University of St. Andrews
	1987	(Sep-Dec) Department of Philosophy, University of Stockholm
	1994	(Jan-Mar) Department of Computer Science and Applied Mathematics, University of Bern
	1995	(Aug-Sep), University of St. Andrews
	1996	(Jul-Sep) Chalmers TH and University of Göteborg
	1997/1998	(Sep-Mar) Imperial College, London
	1999	(Feb-Apr, Jul-Oct) King's College and Queen Mary & Westfield College, London
	2000	(Feb-Apr) King's College and Queen Mary & Westfield College, London
	2009/10	(Oct-Mar) IHPST, Paris
Member Editorial Board:	2011/12	(Sep-June) University of Oxford
		Notre Dame Journal of Formal Logic (1992 – 2003) History and Philosophy of Logic (since 1993) Studies in Universal Logic (book series, since 2006) European Journal for Philosophy of Science (since 2010) Trends in Logic (book series, since 2012)
International Conferences Organized:		<i>Extensions of Logic Programming (ELP)</i> Series of five workshops: Tübingen 1989 (Initiated and organized), Stockholm 1991 (co-organized), Bologna 1992, St. Andrews 1993, Dresden 1996 (co-organized). Proceedings published as Springer Lecture Notes in Computer Science, vols. 475, 596, 660, 798, 1050
		<i>Substructural Logics (Tübingen 1990)</i> Organized with Kosta Došen. This conference coined the term “substructural logics”. Proceedings published 1993 with Oxford University Press
		<i>Proof-Theoretic Semantics (Tübingen 1999)</i> Organized with Reinhard Kahle. Proceedings published 2006 as a special issue of <i>Synthese</i>
		<i>Proof-Theory in Computer Science (Dagstuhl castle 2001)</i> Organized with Reinhard Kahle and Robert Stärk. Proceedings published as Springer Lecture Notes in Computer Science, vol. 2183
		<i>Proof and Dialogues (Tübingen 2011)</i> . Programme and abstracts see: http://www-ls.informatik.uni-tuebingen.de/prodi/

Second Conference on Proof-Theoretic Semantics (Tübingen 2013). Programme see: <http://ls.informatik.uni-tuebingen.de/PTS/>. Proceedings to appear 2015 in the Springer series “Trends in Logic”.

Hypothetical Reasoning (Tübingen 2014). Programme see: <http://ls.informatik.uni-tuebingen.de/hypo/>. Proceedings to appear as an online volume.

Program Chair:	14th International Congress of Logic, Methodology and Philosophy of Science, Nancy (France), 19 – 26 July, 2011. Proceedings (invited papers): College Publications, London 2014, Proceedings (contributed papers): Philosophia Scientiae, Vol. 18,3 and Vol. 19,1 (special issues).
Secretary General:	Division of Logic, Methodology and Philosophy of Science (DLMPS) of the International Union of History and Philosophy of Science (IUHPS)
Current Research Grants:	<i>Hypothetical Reasoning (HYPOTHESES)</i> Joint project with IHPST Paris, co-funded by DFG and ANR. (1 postdoc, 1 Ph.D. student) Application to DFG/NCN for Polish-German cooperation on <i>Models of Formal Reasoning and Argumentation</i> about to be submitted, applications to Robert-Bosch-Stiftung on <i>Logic in our World</i> (cooperation with secondary schools) and to DFG/FAPERJ (cooperation with PUC Rio de Janeiro) in preparation.
Grants Expired in 2012-2014:	<i>Dialogical Foundations of Semantics (DiFoS)</i> ESF EUROCORES programme “Modelling Intelligent Interaction – Logic in the Humanities, Social and Computational Sciences (LogI CCC)”. Project leader of a consortium with partners from Amsterdam and Lisbon. (1 postdoc, 1 Ph.D. student) <i>Inductive Definitions in Logic Calculi</i> Funded by Carl Zeiss Stiftung (1 Ph.D. student) <i>Proof-Theoretic Semantics</i> Cooperation with the departments of Philosophy and of Computer Science of the Catholic University (PUC) of Rio de Janeiro. Travel grants for short- and medium term visits of Ph.D. students and postdocs, until 2007 co-funded by DAAD (Germany) and CAPES (Brazil), until 2011 co-funded by DFG (Germany) and CNPq (Brazil)
Ph.D.s and Habilitations Supervised:	Uwe Östermeier <i>Bildliches und logisches Denken – Eine Kritik der Computertheorie des Geistes [Image based vs. logical thinking – A critique of the computer theory of mind]</i> , 1995, Ph.D. Jörg Hudelmaier <i>Semantische Sequenzenkalküle [Semantic sequent calculi]</i> , 1998, Habilitation Bartosz Więckowski <i>Modality without Reference: An Alternative Semantics for Substitutional Quantified Modal Logic and its Philosophical Significance</i> , 2006, Ph.D. Reinhard Kahle <i>The applicative realm</i> , 2007, Habilitation

Michael Arndt
Logical Tomography: Exposing the Structural Constituents of Logic, 2008, Ph.D.

Luca Tranchini
Proof and Truth: An Anti-Realist Perspective, 2010, Ph.D.
 (Co-tutela Tübingen/Siena)

Thomas Piecha
Formal Dialogue Semantics for Definitional Reasoning and Implications as Rules, 2012, Ph.D.

Rainer Lüdecke
Infinite-Valued Least Model and Game Semantics for Formula-Based and Normal Logic Programs, 2012, Ph.D.

Harald Maurer
Integrative Synchronisations-Mechanismen der Neuro-Kognition [Integrative Synchronisation Mechanisms of Neuro-Cognition], 2014, Ph.D.

Opponent at Lic. Phil.
 and Ph.D. Defenses:

Gunnar Stålmarmark
Normalization theorems for full first order classical natural deduction. Department of Philosophy, University of Stockholm, 1987

Lars-Henrik Eriksson
Finitary partial inductive definitions and general logic, Department of Computer Science, Royal Institute of Technology, Stockholm, 1993

Göran Falkman
Issues in structured knowledge representation. Department of Computing Science, Chalmers University of Technology and Göteborg University, 2003

Filip Widebäck
Identity of Proofs. Department of Philosophy, University of Stockholm, 2001

Julian M. L. Bean
Ribbon Proofs - A Proof System for the Logic of Bunched Implications. Department of Computer Science, Queen Mary and Westfield College, University of London, 2005

Austin Vincent Yim
On Galois Correspondences in Formal Logic, Department of Mathematics, University of Oxford, 2012

Current Ph.D. Students:

René Gazzari
The representation of proofs [working title] (Co-tutela Tübingen/Lisbon)

Tiago de Castro Alves
Derivations, proofs and their identity [working title]

Heike Schneider
Modern theories of diagrammatic reasoning [working title]

Selected Invited Talks 2006-2014: *Operative logic and proof-theoretic semantics*. Trends in Logic IV: Towards Mathematical Philosophy (Toruń, Polen, 1-4 September, 2006) and Department of Philosophy, University of Pisa, 22 May 2007

Prawitz's contribution to proof-theoretic semantics. Conference "Interpretation and Inference", Stockholm, 19-20 May 2006 and Scuola Normale Superiore, Pisa (21 May 2007)

Lorenzen's operative justification of intuitionistic logic. Cent ans d'intuitionnisme (Cerisy, France, 5-12 June 2007)

Proof-theoretic vs. model-theoretic consequence. Logica (Hejnice, Czech Republic, 18-22 June 2007)

Proof-theoretic semantics. Universal Logic (Xi'an, China, 16-22 August 2007, summer course)

Assertion and denial in proof-theoretic semantics and the square of opposition. International Workshop on Semantics (Stuttgart, 10-12 October 2007)

Definitional reasoning and semantic structure. Sixth European Congress of Analytic Philosophy (Krakow, 21-26 August 2008)

Schluß und Umkehrschluß: Ein Beitrag zur Definitionstheorie [Inference and converse inference: A contribution to the theory of definitions]. 21st German Congress of Philosophy (Essen, 15-19 September 2008)

Dialogical foundations of semantics. ESF LogICCC launch conference (Prague, 5-7 October 2008)

Definitional reflection and Basic Logic. Advances in Constructive Topology and Logical Foundations. (Padova, 8-11 October 2008)

The categorical and the hypothetical: A critique of certain fundamental assumptions of standard semantics. Philosophy of Logical Consequence, Uppsala, 31 October - 2 November 2008)

Bidirectional reasoning. Conference "The fundamental ideal of proof theory", Paris, 15-16 April 2009.

Proof-theoretic semantics: Assertion and Denial. Conference "Foundations of Logical Consequence: The Logic of Denial", St Andrews, 23-26 October 2009

Consequence and correctness of inference. Conference "The philosophical nature of logical consequence", Dubrovnik, 10-14 May 2010, and: Conference "Anti-realistic notions of truth", Pontignano, 10-12 September 2010

Proof-theoretic semantics and the sequent calculus. Annual meeting of the DVMLG, Münster, 22-24 September 2010

Proof-theoretic semantics and its Basic Logic. Paris 16 December 2010. "Logic, epistemological or ontological?", Seminar Chaire Blaise Pascal (Per Martin-Löf)

Anti-realism and the meaning of implication. Conference "Anti-realism and logical consequence", Pontignano, 2-4 June 2011

Proof-theoretic semantics, self-contradiction, and the format of deductive reasoning. München (Seminar on Mathematical Philosophy), 16 June 2011, Oxford (Seminar on Philosophy of Mathematics), 14 November 2011 and St. Andrews (Workshop "Computational Logic", 18-19 November 2011)

Completeness in proof-theoretic semantics. Second Conference on the Foundations of Logical Consequence, St. Andrews, 8-10 June 2012) and Conference "Dag Prawitz on Proofs and Meaning", Bochum 10-11 September 2012

Towards a calculus of squares. Third World Congress on the Square of Opposition, Beirut, 26-20 June 2012

What is the proper logic of consequence. GAP8 Congress, Konstanz, 17-20 September 2012

Dialogical foundations of semantics? Colloquium “Zur Dialogischen Logik”, Konstanz, 27-28 September 2012.

Limits of proof-theoretic harmony, Colloquium “Proofs and Programs: From Semantics to Complexity – Logical and philosophical issues on contemporary proof-theory”, Lyon, 16-17 May 2013

In defence of modus ponens, Conference “Nonclassical Logics: Theory & Applications”, Łódź, 4-6 September 2013

Proofs that, proofs why, and the analysis of paradoxes, Conference “Proofs that and proofs why”, Paris 14-15 November 2013 and Conference “Advances in Proof Theory 2013”, Bern, 13-14 December 2013

Ekman’s paradox (together with Luca Tranchini), *Workshop* “Substructural Approaches to Paradox”, Barcelona 25-26 November 2013

Harmony in proof-theoretic semantics, Conference “Hypothetical Reasoning”, Paris, 29-30 May 2014 and Workshop “Workshop ‘Current Trends in the Philosophy of Logic’”, Rome, 21 June 2014

Proof-theoretic harmony: The issue of propositional quantification, and Frege’s Sequent Calculus, Two talks at the conference “Gentzen’s and Jaśkowski’s heritage; 80 years of Natural Deduction and Sequent Calculi” (Trends in Logic XIII), Łódź, 2-5 July 2014

Teaching:	Courses in logic at all levels for philosophers, mathematicians and computer scientists, as well as courses in many other areas of theoretical philosophy. For further particulars see Statement of Teaching, which includes a complete list of courses taught.
Current Research Interests:	See Statement of Research
List of Publications:	Attached

Peter Schroeder-Heister

LIST OF PUBLICATIONS

Most papers can be downloaded from my homepage
<http://ls.inf.uni-tuebingen.de>

If co-authored papers are listed as “(with ...)”, all authors contributed equally.
 Otherwise authors are listed in the order in which they appear on the paper.

1979

(Ed., with G. Wolters) Der wissenschaftliche Nachlaß von Hugo Dingler (1881-1954). Verzeichnis mit einer Bibliographie der Schriften Dinglers. Konstanz 1979. Digital edition in: U. Weiß (ed.), Hugo Dingler: Gesammelte Werke auf CD-ROM. Karsten Worm InfoSoftWare: Berlin 2004, Appendix, Ch.No. 1986 and 1987.

1980

Ca. 45 entries in: J. Mittelstraß (ed.), Enzyklopädie Philosophie und Wissenschaftstheorie, Bd. 1 (A-G), Mannheim/Wien/Zürich 1980, e.g.: arbor porphyriana; Bayessches Theorem (with K. Mainzer); Bertrandsche Paradoxie; Bewertungssemantik; Condorcet, A. (with H.-L. Nastansky); definit/Definitheit; Funktionalinterpretation; Gehalt, empirischer; Gentzen, G.; Grelling, K. Revised and extended 2005 (see below).

1981

Untersuchungen zur regellogischen Deutung von Aussagenverknüpfungen (Ph.D. Dissertation, supervisors: G. Hasenjaeger, D. Prawitz). University of Bonn 1981. (Main results published 1984 as “A natural extension of natural deduction”, see below.)

Bibliographie Hugo Dingler (1881-1954). Zeitschrift für philosophische Forschung 35 (1981), 283-298. Revised and updated digital edition in: U. Weiß (ed.), Hugo Dingler: Gesammelte Werke auf CD-ROM. Karsten Worm InfoSoftWare: Berlin 2004, Appendix, Ch.No. 1980.

Review of R.H. Wettstein, Eine Gegenstandstheorie der Wahrheit. Argumentativ-rekonstruierender Aktualisierungs- und Erweiterungsversuch von Kants kritischer Theorie (Königstein/Ts. 1980). Dialectica 35 (1981), 361-362.

1982

Logische Konstanten und Regeln. Zur Deutung von Aussagenoperatoren. Conceptus 16 (1982), 45-59.

1983

The completeness of intuitionistic logic with respect to a validity concept based on an inversion principle. Journal of Philosophical Logic 12 (1983), 359-377.

Inversion principles and the completeness of intuitionistic natural deduction systems. Abstracts of the 7th International Congress of Logic, Methodology and Philosophy of Science (Salzburg 1983), Vol. 5, 150-153.

Review of: M.D. Resnik, Frege and the Philosophy of Mathematics (Ithaca/London 1980). History and Philosophy of Logic 4 (1983), 99-102.

1984

Popper's theory of deductive inference and the concept of a logical constant. *History and Philosophy of Logic* 5 (1984), 79-110.

Frege's Permutationsargument. Zu §10 der "Grundgesetze der Arithmetik". In: G. Wechsung (ed.), *Frege Conference 1984. Proceedings of the International Conference held at Schwerin (GDR), September 10-14, 1984*. Berlin: Akademie-Verlag 1984, 182-188.

A natural extension of natural deduction. *Journal of Symbolic Logic* 49 (1984), 1284-1300.

Generalized rules for quantifiers and the completeness of the intuitionistic operators $\&, \vee, \supset, \perp, \forall, \exists$. In: M.M. Richter, E. Börger, W. Oberschelp, B. Schinzel, W. Thomas (eds.), *Computation and Proof Theory. Proceedings of the Logic Colloquium held in Aachen, July 18-23, 1983, Part II*. Berlin/Heidelberg/ New York/Tokyo: Springer Lecture Notes in Mathematics, Vol. 1104, 1984, 399-426.

Ca. 80 entries in: J. Mittelstraß (ed.), *Enzyklopädie Philosophie und Wissenschaftstheorie*, Bd. 2 (H-O), Mannheim/Wien/ Zürich 1984, e.g.: intern/extern (with J. Mittelstraß); Interpretationssemantik; Kalkül des natürlichen Schließens; Kontinuumhypothese; Konzeptualismus (with S. Blasche and R. Wimmer); Kreisel, G.; Kripke, S.A.; Lambda-Kalkül; Logik, dialektische; Logik, induktive; Logik, kombinatorische; Logik, mehrwertige; Logik des "Entailment"; Lügner-Paradoxie; Menge; Mengenlehre; Mengenlehre, axiomatische; Meßtheorie; Normalform; Notation, logische; Oppenheim, P. Revised and extended 2007 (see below).

G. Heister & P. S.-H. A note on location of the decisional stages of choice reactions in the left hemisphere. *Cortex* 20 (1984), 271-275.

Review of: E.-H. W. Kluge, *The Metaphysics of Gottlob Frege. An Essay in Ontological Reconstruction* (The Hague/ Boston/London 1980). *History and Philosophy of Logic* 5 (1984), 241-245.

Review of: G. Currie, *Frege. An Introduction to His Philosophy* (Brighton/Totowa N.J. 1982). *History and Philosophy of Logic* 5 (1984), 239-241.

1985

Natural deduction calculi with rules of higher levels (Abstract). *Journal of Symbolic Logic* 50 (1985), 275-276.

Proof-theoretic validity and the completeness of intuitionistic logic. In: G. Dorn & P. Weingartner (eds.), *Foundations of Logic and Linguistics: Problems and Their Solutions*. New York/London: Plenum Press 1985, 43-87.

(With K. Došen) Conservativeness and uniqueness. *Theoria* 51 (1985), 159-173.

G. Heister & P. S.-H., S-R compatibility effect or cerebral laterality effect. Comments on a controversy. *Neuropsychologia* 23 (1985), 427-430.

(With U. Friedrichsdorf) Review of: G.E. Hughes & M.J. Cresswell, *A companion to modal logic* (London 1968). *Journal of Semantics* 4 (1985), 389-390.

1986

(With J. Mittelstraß) Zeichen, Kalkül, Wahrscheinlichkeit. Elemente einer Mathesis universalis bei Leibniz. In: H. Stachowiak (ed.), *Pragmatik. Handbuch pragmatischen Denkens*. Bd. I. Pragmatisches Denken von den Ursprüngen bis zum 18. Jahrhundert. Hamburg: Meiner 1986, 392-414.

G. Heister, W. Ehrenstein & P. S.-H. Spatial S-R compatibility with two-finger choice reactions (Abstract). *Perception* 15 (1986), A33.

G. Heister, W. Ehrenstein & P. S.-H. Spatial S-R compatibility effects with unimanual two-finger choice reactions for prone and supine hand positions. *Perception & Psychophysics* 40 (1986), 271-278.

Review article on: G. Frege, *Collected Papers on Mathematics, Logic, and Philosophy* (B. McGuinness, ed., Oxford/New York 1984). *History and Philosophy of Logic* 7 (1986), 187-193.

1987

Structural Frameworks with Higher-Level Rules. Philosophical Investigations on the Foundations of Formal Reasoning (Habilitationsschrift). Konstanz 1987.

A model-theoretic reconstruction of Frege's permutation argument. *Notre Dame Journal of Formal Logic* 28 (1987), 69-79.

With K. Došen A general interpolation and definability theorem (Abstract). *Journal of Symbolic Logic* 52 (1987), 315-316.

Judgements of higher levels in Martin-Löf's logical theory (Abstract). *Journal of Symbolic Logic* 52 (1987), 1083.

P. S.-H. & F. Schaefer. Der strukturalistische Reduktionsbegriff und Repräsentationen von Theorien. In: P. Weingartner, G. Schurz (eds.), *Logik, Wissenschaftstheorie und Erkenntnistheorie. Akten des 11. Internationalen Wittgenstein Symposiums*, 4. - 13. 8. 1986, Kirchberg/Wechsel (Österreich), Wien: Hölder-Pichler-Tempsky 1987, 230-233.

G. Heister, W. Ehrenstein & P. S.-H. Spatial S-R compatibility with unimanual two-finger choice reactions: Effects of irrelevant stimulus location. *Perception & Psychophysics* 42 (1987), 195-201.

G. Heister & P. S.-H. Evidence for stimulus-response compatibility effects in a divided visual field study of cerebral lateralization. *Acta Psychologica* 66 (1987), 127-138.

G. Heister P. S.-H. & W. Ehrenstein. Spatial stimulus-response (S-R) compatibility under head tilt: Evidence for a factorial model (Abstract). *Perception* 16 (1987), A17b.

1988

(With K. Došen) Uniqueness, definability and interpolation. *Journal of Symbolic Logic* 53 (1988), 554-570.

P. S.-H., G. Heister & W. Ehrenstein. Spatial S-R compatibility under head tilt. *Acta Psychologica* 69 (1988), 35-44.

W. Ehrenstein, P. S.-H. & G. Heister. Spatial visuo-motor compatibility with orthogonal stimulus-response arrangement (Abstract). *Perception* 17 (1988), A77b (p. 415).

3 short reviews in „Mathematical Reviews“

1989

P. S.-H. & F. Schaefer. Reduction, representation and commensurability of theories. *Philosophy of Science* 56 (1989), 130-157.

(With Lars Hallnäs) Logic programming with higher-level rules (Abstract). *Journal of Symbolic Logic* 54 (1989), 656-657.

Judgements of higher levels and the completeness of logical constants in Martin-Löf's logical system. In: P. Dybjer et al. (eds.), *Proceedings of the Workshop on Programming Logic*. Programming Methodology Group, University of Göteborg, Report 54, 1989, 494-519.

W. Ehrenstein, P. S.-H. & G. Heister. Spatial S-R compatibility with orthogonal stimulus-response relationship. *Perception & Psychophysics* 45 (1989), 215-220.

G. Heister, T. Landis, M. Regard & P. S.-H. Shift of visual half-field superiority for face perception during the menstrual cycle (Abstract). *Behavioral Brain Research* 33 (1989), 314.

G. Heister, T. Landis, M. Regard & P. S.-H. Shift of functional cerebral asymmetry during the menstrual cycle. *Neuropsychologia* 27 (1989), 871-880.

Review of: W. Schüller, *Grundlegungen der Mathematik in transzendentaler Kritik. Frege und Hilbert* (Hamburg 1983). *Journal of Symbolic Logic* 54 (1989), 622.

2 short reviews in „Mathematical Reviews“

1990

(With Lars Hallnäs) A proof-theoretic approach to logic programming. I. Clauses as rules. *Journal of Logic and Computation* 1 (1990), 261-283.

G. Heister, P. S.-H. & W. Ehrenstein. Spatial coding and spatio-anatomical mapping: Evidence for a hierarchical model of spatial S-R compatibility. In: R. W. Proctor, T. G. Reeve (eds.), *Stimulus-Response Compatibility: An Integrated Perspective*. Amsterdam: North-Holland 1990, 117-143.

3 short reviews in „Mathematical Reviews“

(Ed.) *Proceedings of the SNS Logic Colloquium*, March 1990. SNS-Berichte. Tübingen 1990.

1991

(With Lars Hallnäs) A proof-theoretic approach to logic programming. II. Programs as definitions. *Journal of Logic and Computation* 1 (1991) 635-660.

Uniform proof-theoretic semantics for logical constants (Abstract). *Journal of Symbolic Logic* 56 (1991), 1142.

Structural frameworks, substructural logics and the role of elimination inferences. In: G. Plotkin & G. Huet (eds.), *Logical Frameworks*. Cambridge University Press, 1991, 385-403.

Hypothetical reasoning and definitional reflection in logic programming. In: P. Schroeder-Heister (ed.), *Extensions of Logic Programming*. International Workshop, Tübingen, FRG, December 1989, *Proceedings. Springer Lecture Notes in Artificial Intelligence*, Bd. 475, Berlin/Heidelberg/New York 1991, 327-340.

1 short review in „Mathematical Reviews“

(Ed.) *Extensions of Logic Programming*. International Workshop, Tübingen, FRG, December 1989, *Proceedings. Springer Lecture Notes in Artificial Intelligence*, Bd. 475, Berlin/Heidelberg/ New York 1991.

1992

(With Lars Hallnäs) Local reflection in inductive definitions: The D-rule (Abstract). *Journal of Symbolic Logic* 57 (1992), 300.

Cut-elimination in logics with definitional reflection. In: D. Pearce, H. Wansing (eds.), *Nonclassical Logics and Information Processing*. International Workshop, Berlin, November 1990, *Proceedings. Springer Lecture Notes in Artificial Intelligence*, Bd. 619, Berlin/Heidelberg/New York 1992, 146-171.

Article "Schließen, natürliches" in: J. Ritter & K. Gründer (Ed.), *Historisches Wörterbuch der Philosophie*, Band 8, Basel/Darmstadt 1992, 1300-1303.

(Ed., with L.-H. Eriksson and L. Hallnäs) *Extensions of Logic Programming*. Second International Workshop, ELP '91, Stockholm, Sweden, January 1991, *Proceedings. Springer Lecture Notes in Artificial Intelligence*, Bd. 596, Berlin/Heidelberg/ New York 1992.

1993

Rules of definitional reflection. In: *Proceedings of the 8th Annual IEEE Symposium on Logic in Computer Science* (Montreal 1993), Los Alamitos 1993, 222-232.

(Ed., with K. Došen) *Substructural Logics*. Oxford University Press 1993.

1994

Definitional reflection and the completion. In: R. Dyckhoff (ed.), *Extensions of Logic Programming*. Fourth International Workshop, St. Andrews, Scotland, April 1993, *Proceedings. Springer Lecture Notes in Artificial Intelligence*, Berlin/Heidelberg/New York 1994, 333-347.

Cut elimination for logics with definitional reflection and restricted initial sequents. *Proceedings des Post-Conference Workshop of ICLP 1994 on Proof-Theoretic Extensions of Logic Programming*. Von der homepage des Autors herunterladbar.

G. Heister & P. S.-H.. Spatial S-R compatibility: Positional instruction vs. compatibility instruction. *Acta Psychologica* 85 (1994), 15-24.

1 short review in „Mathematical Reviews“

1995

(With J. Hudelmaier) Classical Lambek logic. In: P. Baumgartner, R. Hähnle, J. Posegga (eds.), *Theorem Proving with Analytic Tableaux and Related Methods*. 4th International Workshop, TABLEAUX '95 (St. Goar, May 7-10, 1995), Springer LNAI, Bd. 918, 247-262.

Article "Selbstreferenz" (I. Logik) in: J. Ritter & K. Gründer (Ed.), *Historisches Wörterbuch der Philosophie*, Band 9, Basel/Darmstadt 1995, 515-516.

Ca. 40 entries in: J. Mittelstraß (ed.), *Enzyklopädie Philosophie und Wissenschaftstheorie*, Bd. 3 (P-So), Stuttgart/Weimar 1995, u.a.: Paradoxien der Implikation, Popper [s.u.], Principia Mathematica, Programmiersprachen, Psychophysik (with G. Heister), Quasireihe, Reduktionssatz (with M. Carrier), Regellogik, Signifikanz, Skinner (with G. Heister)

Article "Popper" in: J. Mittelstraß (ed.), *Enzyklopädie Philosophie und Wissenschaftstheorie*, Bd. 3, Stuttgart/Weimar 1995, 289-296.

1996

Ca. 30 entries in: J. Mittelstraß (ed.), *Enzyklopädie Philosophie und Wissenschaftstheorie*, Bd. 4 (Sp-Z), Stuttgart/Weimar 1996, u.a.: Statistik, Stufenlogik, Termlogik, Test (with G. Heister), Urelement, Verweistheorie, Vollformalismus, Weber-Fechnersches Gesetz (with G. Heister), Widerspruchsfreiheitsbeweis, Zufallsgenerator, zulässig/Zulässigkeit.

(Ed., with R. Dyckhoff and H. Herre) *Extensions of Logic Programming*. Fifth International Workshop, ELP '96, Leipzig, Germany, March 1996, Proceedings. Springer Lecture Notes in Artificial Intelligence, Bd. 1050, Berlin/Heidelberg/New York 1996.

1997

Frege and the resolution calculus. *History and Philosophy of Logic* 18 (1997), 95-108.

1998

Popper's Theorie der Wahrscheinlichkeit. In: H. Keuth (ed.), *Klassiker auslegen: Poppers "Logik der Forschung"*. Akademie-Verlag, Berlin, 1998, 2. Aufl. 2004, 185-213.

(With H. Herre) Formal languages and systems. In: *Routledge Encyclopedia of Philosophy*, London 1998.

Ein Logik-Lotse geht von Bord: Zur Verabschiedung des Naturwissenschaftlers und Philosophen Walter Hoering. *Schwäbisches Tagblatt*, 4. 12. 1998, S. 27.

1999

Gentzen-style features in Frege. Abstracts of the 11th International Congress of Logic, Methodology and Philosophy of Science, Cracow, Poland (August 1999), Krakau 1999, 449-452.

2001

Article "Popper" in: *Neue Deutsche Biographie*, ed. Historische Kommission bei der Bayerischen Akademie der Wissenschaften, Bd. 20, Duncker & Humblot: Berlin 2001, 625-628.

Article "Popper" in: *International Encyclopedia of the Social and Behavioral Sciences*, Elsevier, 2001. Revised 2nd edition 2015.

Nachruf auf Prof. Dr. Walter Felscher. *Tübinger Universitätsnachrichten*, 9. April 2001, Jahrgang 21, Nr. 100.

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2002

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2003

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2004

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2005

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Ca. 50 entries in: J. Mittelstraß (ed.), *Enzyklopädie Philosophie und Wissenschaftstheorie*, 2. Aufl., Bd. 1-2 (A-F), Stuttgart/Weimar 2005, new entries e.g.: Baum (logisch-mathematisch), Bunge, Dummett [see below], Exponibilia, Fuzzy Logic).

Artikel "Dummett" in: J. Mittelstraß (ed.), *Enzyklopädie Philosophie und Wissenschaftstheorie*, Bd. 1 (A-F), Stuttgart/Weimar 2005, 258-262.

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2006

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2008

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2009

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2010

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2011

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2012

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Proof-theoretic semantics, in E. Zalta (ed.), *The Stanford Encyclopedia of Philosophy* (<http://plato.stanford.edu>).

(with T. Piecha) Implications as Rules in Dialogical Semantics, in: M. Peliš and V. Punčochář (eds.), *The Logica Yearbook 2011*, London: College Publications, 211-225.

Proof-theoretic semantics, self-contradiction, and the format of deductive reasoning", in: L. Tranchini (ed.), *Anti-Realistic Notions of Truth*, Special issue of *Topoi*, 31, 77-85.

Paradoxes and structural rules. In: C. Dutilh Novaes & O. T. Hjortland (eds.), *Insolubles and Consequences: Essays in honour of Stephen Read*. London: College Publications, 203-211.

2013

Definitional reflection and Basic Logic, in: Maria Emilia Maietti, Erik Palmgren and Michael Rathjen, eds.: *Advances in Constructive Topology and Logical Foundations*, special issue of *Annals of Pure and Applied Logic*, 164, 491-501.

Ca. 50 entries in: J. Mittelstraß (ed.), *Enzyklopädie Philosophie und Wissenschaftstheorie*, 2. Aufl., Bd. 5 (Log-N), Stuttgart/Weimar.

2014

Generalized elimination inferences, higher-level rules, and the implications-as-rules interpretation of the sequent calculus, in Luiz Carlos Pereira, Edward Hermann Haeusler and Valeria de Paiva (eds.), *Advances in Natural Deduction: A Celebration of Dag Prawitz's Work*. Heidelberg: Springer, 1-29.

(with W. de Campos Sanz and T. Piecha), Constructive semantics, admissibility of rules and the validity of Peirce's law. *Logic Journal of the IGPL* 22, 297-308.

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(with T. Piecha and W. de Campos Sanz) Failure of completeness in proof-theoretic semantics. *Journal of Philosophical Logic*, DOI 10.1007/s10992-014-9322-x

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(with T. Piecha) Dialogical logic for definitional reasoning and implications as rules. In: J. Mittelstraß & C. von Bülow (eds), *Dialogische Logik*, Münster: Mentis (in press).

Harmony in proof-theoretic semantics: A reductive analysis. In: H. Wansing (ed.), *Dag Prawitz on Proofs and Meaning*, Heidelberg: Springer (in press).

(Ed., with P.E.Bour, G. Heinzmann, W. Hodges) *Logic, Methodology and Philosophy of Science*. Proceedings of the 14th International Congress. London: College Publications.

(Ed., with P.E.Bour, G. Heinzmann, W. Hodges) *Logic and Philosophy of Science in Nancy (I)*. Selected Contributed Papers from the 14th International Congress of Logic, Methodology and Philosophy of Science. (= *Philosophia Scientiae*, Vol. 18, 3) .

2015

(Ed., with P.E.Bour, G. Heinzmann, W. Hodges) *Logic and Philosophy of Science in Nancy (II)*. Selected Contributed Papers from the 14th International Congress of Logic, Methodology and Philosophy of Science. (= *Philosophia Scientiae*, Vol. 19, 1) .

Peter Schroeder-Heister

STATEMENT OF RESEARCH

My main area of interest is logic and philosophy of logic. I am particularly concerned with proof theory and the incorporation of proof-theoretic ways of thinking into the philosophical debate. Ever since my Ph.D. thesis, I have been strongly influenced by the Swedish school of proof theory (Dag Prawitz, and Per Martin-Löf) and the way proof-theoretic results have been used in philosophical theories of meaning, an approach for which I have proposed the term “proof-theoretic semantics”.

I am particularly interested in the precise formulation of inversion and harmony principles that figure prominently in proof-theoretic semantics, which were the subject of joint work with Kosta Došen in the 1980s. I am also extending standard approaches to proof-theoretic semantics beyond logic in the narrower sense by using a proof theory of definitional reasoning, based on earlier work with Lars Hallnäs. Here the objects of definitions are just arbitrary structured entities, so that the distinction between atoms and logically complex sentences disappears. In this way I hope to be able to deal with non-wellfounded phenomena such as paradoxes from the proof-theoretic point of view.

A further way of extending standard approaches is the claim that hypothetical judgements might be given priority over categorical ones, or that consequence is primary to truth. A reversal of the standard ordering between the categorical and the hypothetical, which traditionally puts the categorical first, could give us a better picture of the nature of logical and non-logical reasoning. This idea that I developed from the perspective of proof-theoretic semantics, can be pursued and carried out in a natural way in categorial logic, as Kosta Došen has shown in much of his work, a subject I should (and plan to) pay more attention to from the philosophical point of view.

I have a continuous interest in substructural logics. This term, which is due to Kosta Došen, was coined by an international conference with that name that we jointly organized in Tübingen in 1990. The field has strongly evolved since then with many ramifications.

I have recently revived my interest in game-theoretical and dialogical approaches to logical semantics which I became acquainted with during my student years, when the German constructivist school headed by Paul Lorenzen featured prominently in the German philosophical debate. One of my present concerns is to investigate whether such a dialogical approach can overcome certain difficulties arising in proof-theoretic semantics.

My approach to proof-theoretic semantics has been strongly influenced by developments in computer science, in particular by logic programming, which can be seen as a paradigm where definitional reasoning is put into action. My fascination with questions of computer science issues was the reason to accept a joint appointment in the philosophy and computer science departments, which I was offered in 1992, shortly after taking over my philosophy professorship in Tübingen.

I am currently working with my teacher Dag Prawitz on a book on General Proof Theory that widens the perspective of his classical work on Natural Deduction, which will be my main occupation in the near future. A goal for the (more distant) future is to complete a book on proof-theoretic semantics which I have been working on for many years and of which my entry in the Stanford Encyclopedia of Philosophy is a sort of abstract.

If time permits, I will also continue to study the history of modern logic, in particular the development of formal systems of hypothetical reasoning. Here I am especially interested in the relationship between Frege's and Gentzen's paradigms and the question of whether they are as fundamentally different as is often said. I will pursue these issues not only from the proof-theoretic point of view, but also from other perspectives. For example, the model theory underlying Frege's system has always been a stimulating topic for me.

Cognitive science and the philosophy of mind is another topic I have been interested in. In the early 1990s I participated in an interdisciplinary German research programme on Mind and Brain. My interest in that field was mainly based upon the fact that at the time I was conducting psychological research together with my wife, Gabriele Heister, both in cognitive psychology and neuropsychology. I am no longer actively working in this field. However, I am still interested in ways of neural modelling that are related to the representation of reasoning.

Although, as a proof-theorist, I have been trained in constructive methods, I am not necessarily a constructivist who would, e.g., be opposed to model theory. Recent developments in logic show that proof-theoretic and model-theoretic approaches are converging, as are the various approaches to logic by different disciplines.

This is my vision statement from the *International Directory of Logicians*:

“Schroeder-Heister believes that the borderlines between mathematical logic, philosophical logic, logic in linguistics and logic in computer science will become increasingly irrelevant. Proof-theoretical and computational approaches will merge with model-theoretic ideas and alternative proposals (dynamical, probabilistic, game-theoretical ...). Logic has a bright future as a fundamental discipline relevant to many fields.”

Peter Schroeder-Heister

STATEMENT OF TEACHING

I have taught logic at all levels. In the (mandatory) logic course for first year philosophy students, I either used natural deduction or a tableaux calculus as a formal system. This course contained items such as normal forms in propositional and first-order logic, and the completeness proof for propositional logic, but not the completeness of first-order logic. It was normally followed by an optional advanced course in the subsequent semester, for which I chose a selection of topics from elementary model theory and proof theory, modal logic, methods of proof and refutation, theories of definition, theories of truth etc.

In computer science the basic mathematical logic course included the completeness theorem for first-order logic and elementary facts of model theory. In more advanced courses I have taught subjects such as proof theory, Gödel's theorems, temporal logic, non-classical (including many-valued, nonmonotonic and fuzzy) logics, dynamic logics etc. All logic courses in computer science could be attended by advanced students of philosophy or mathematics. Further courses specifically dedicated to computer science comprised formal languages and computability, lambda calculus, denotational semantics, logic programming etc.

Other than logic I have taught courses on classical philosophical texts, most notably by authors who are associated with the development of logic and philosophy of science. Among those were writings by Aristotle, Leibniz, Frege, Husserl, Carnap, Popper, Goodman and Church. I have also been in charge of several courses on philosophy of science.

I attach the list of courses I have taught, separated into winter semester (WS) and summer semester (SS) courses for each academic year. With some exceptions (notably recent courses for advanced students), courses were given in German. I have tried to translate titles as appropriately as possible. If not stated otherwise, every course comprised two academic hours, i.e., 90 minutes per week. Tutorials (some conducted with the assistance of advanced students) took an additional one or two hours per week.

Peter Schroeder-Heister

COURSES TAUGHT

University of Konstanz

SS 1979:	Lorenzen's operative logic
WS 1979/80:	Philosophy of science for mathematicians
SS 1980:	Natural deduction
WS 1980/81:	Theory of definition
SS 1981:	Logical propaedeutics Frege: Begriffsschrift
WS 1981/82:	Theory of meaning and logic Frege: Grundgesetze der Arithmetik
SS 1982:	Logical propaedeutics (with H. Schleichert) Frege: Grundlagen der Arithmetik (with G. Gabriel) Semantical and logical antinomies (with Th. Zimmermann)
WS 1982/83:	Husserl: Logische Untersuchungen Formal Logic, + Tutorials Lecture "What is logic?" within <i>Studium Generale</i>
SS 1983:	Logical propaedeutics Popper: Logik der Forschung
WS 1983/84:	The Popper-Carnap controversy Situation semantics and propositional attitudes (with U. Friedrichsdorf and A. v. Stechow) Lecture "Logic" within a <i>Studium Generale</i> course "Introduction to philosophy"
SS 1984:	Logical propaedeutics Lecture "Carnap" within a <i>Studium Generale</i> course "Modern classics – leading thinkers of the past 150 years"
WS 1984/85:	Rudolf Carnap: Epistemological writings (with H. Schleichert) Theories of deduction
SS 1985:	Formal Logic II: Proof theory, + Tutorials Goodman: The Structure of Appearance

WS 1985/86:	Formal logic I, + Tutorials The language of scientific theories (with M. Carrier) Modal logic (with U. Friedrichsdorf and A. v. Stechow) Sneed: The Logical Structure of Mathematical Physics
SS 1986:	Relevant logics (with U. Friedrichsdorf and A. v. Stechow) The <i>realism</i> debate in analytic philosophy (Dummett, Putnam)
WS 1986/87:	Automated theorem proving and logic programming (with S. Hotop) Theoretical foundations of programming languages (with U. Friedrichsdorf and A. v. Stechow)
SS 1987:	The Vienna circle: Epistemology and philosophy of science (with M. Carrier and H. Schleichert) Frege: Grundgesetze der Arithmetik Formal grammars (with U. Friedrichsdorf and A. v. Stechow)
SS 1988:	Introduction to logic, 4h, + Tutorials (Univ. of Tübingen, as a visiting professor)
WS 1988/89:	Formal logic, + Tutorials Theoretical foundations of logic programming David Lewis's logic and ontology (with U. Friedrichsdorf and A. v. Stechow)
SS 1989:	Philosophy of science for psychologists Conditionals (with U. Friedrichsdorf and A. v. Stechow)
WS 1989/90	Frege: Grundlagen der Arithmetik, Colloquium logic and philosophy of science (with U. Friedrichsdorf and A. v. Stechow)

University of Tübingen

	Proofs and types, + Tutorials
SS 1990	Husserl: Formale und transzendente Logik Lambda calculus and combinatory logic, + Tutorials Partial logics (with M. Morreau)
WS 1990/91	Philosophical problems of cognitive science Connectionism, + Tutorials Formal languages, + Tutorials (with K. Schulz)
SS 1991	Critiques of Artificial Intelligence Lambda calculus and denotational semantics, + Tutorials Theoretical foundations of logic programming
WS 1991/92	Formale languages and computability, 4h, + Tutorials Extensions of logic programming Computer science and music

SS 1992	<p>Lambda calculus and denotational semantics of programming languages, 4h, + Tutorials</p> <p>Logic programming, + Tutorials (with S. Keronen)</p> <p>Connectionist Reasoning Systems (with V. Ajjanagadde)</p> <p>Modern theories of causality (with U. Oestermeier)</p> <p>Logic and philosophy of language (Colloquium)</p>
WS 1992/93	<p>Formal languages and computability, 4h, + Tutorials</p> <p>Logic programming, + Tutorials (with S. Keronen)</p> <p>Connectionist Reasoning Systems (with V. Ajjanagadde)</p> <p>Logic and psychology (with U. Oestermeier)</p> <p>Extensions of logic programming</p> <p>Logic and philosophy of language (Colloquium)</p>
SS 1993	<p>Typed Lambda calculus and categorical logic, + Tutorials</p> <p>Logic and logic programming</p> <p>Strawson: Individuals (with U. Oestermeier)</p>
WS 1993/94	Sabbatical
SS 1994	<p>Gentzen systems, + Tutorials</p> <p>Fuzzy Logic</p> <p>Hume: Dialogues on natural religion (with U. Oestermeier)</p>
S 1994/95	<p>The philosophy of Karl Popper (<i>Studium Generale</i>, with H. Keuth)</p> <p>The philosophy of Karl Popper (for advanced philosophy students)</p> <p>Music and computer science (with R. Loos)</p> <p>Gentzen systems</p>
SS 1995	<p>Lambda calculus, + Tutorials</p> <p>The concept of “transcendental method“</p> <p>Logic and logic programming</p>
WS 1995/96	<p>Logic I (for philosophy students), + Tutorials</p> <p>Alonzo Church's logic and philosophy of language,</p> <p>Alonzo Church (1903-1995) – His contribution to logic, computer science and philosophy (public lecture, with J. Hudelmaier)</p> <p>Logic and logic programming (with J. Hudelmaier)</p> <p>Logical foundations of Artificial Intelligence, + Tutorials (with J. Hudelmaier)</p>
SS 1996	<p>Systems of consequence logic + Tutorials,</p> <p>The concept of logical consequence</p> <p>Music in the sciences (<i>Studium Generale</i>, with R. Loos)</p>

WS 1996/97	Philosophical problems of psychology (with U. Oestermeier) Modal logic, + Tutorials, Begriffsschrift and Principia Mathematica Thinking and Computing (public lecture, <i>Studium Generale</i>)
SS 1997	Lambda calculus and combinatory logic, + Tutorials, (with R. Kahle) Special tutorials on lambda calculus for philosophy students Logic in philosophy (Colloquium)
WS 1997/98	Sabbatical
SS 1998	Modal and temporal logic, + Tutorials Leibniz: Logical writings Logic and philosophy of language (Colloquium)
WS 1998/99	Introduction to logic for philosophers + Tutorials Temporal logic Popper: The Open Universe Logic and philosophy of language (Colloquium)
SS 1999	Lambda calculus and combinatory logic, + Tutorials Theory of meaning and logic Logic and philosophy of language (Colloquium)
WS 1999/2000	Logic and visual information Introduction to logic for philosophers ,+ Tutorials Logic and philosophy of language (Colloquium)
SS 2000	Logik II, + Tutorials Lambda calculus and combinatory logic, + Tutorials Logic and philosophy of language (Colloquium)
WS 2000/2001	Introduction to logic for philosophers, + Tutorials Inductive methods Logic and philosophy of language (Colloquium)
SS 2001	Modal and temporal logic, + Tutorials Extensions of logic programming Logic and philosophy of language (Colloquium)
WS 2001/2002	Nonclassical logics (Many-valued logics, fuzzy Logic, nonmonotonic logics), + Tutorials Modern reconstructions of the ontological argument Logic and philosophy of language (Colloquium)

SS 2002	<p>Lambda calculus and combinatory logic, + Tutorials</p> <p>Logic programming</p> <p>Logic and philosophy of language (Colloquium)</p>
WS 2003/2004	Sabbatical
SS 2003	<p>Modal logic, + Tutorials (with B. Więckowski)</p> <p>Logic programming: Theory and applications, + Tutorials (with F. Hamm)</p> <p>Logic and philosophy of language (Colloquium)</p>
WS 2003/2004	<p>Formal languages and computability, 4h, + Tutorials</p> <p>Logic and philosophy of language (Colloquium)</p>
SS 2004	<p>Lambda calculus and combinatory logic, + Tutorials</p> <p>Philosophy of modality (with B. Więckowski)</p> <p>Introduction to logic, + Tutorials (with B. Więckowski)</p> <p>Logic and philosophy of language (Colloquium)</p>
WS 2004/2005	<p>Proof-theoretic semantics</p> <p>Proof-theoretic semantics: Additional tutorial for advanced students</p> <p>Logics for programs and processes (Dynamic logic), + Tutorials (with M. Arndt)</p> <p>Logic and philosophy of language (Colloquium)</p>
SS 2005	<p>Mathematical logic – joint course for students of computer science, linguistics and philosophy, 4h, + Tutorials, (with F. Hamm)</p> <p>Substructural logics</p> <p>Logic and philosophy of language (Colloquium)</p>
WS 2005/2006	<p>Theories of truth (with B. Więckowski)</p> <p>Introduction to logic, + Tutorials (with B. Więckowski)</p> <p>Mathematical logic II: Gödel's incompleteness theorems, + Tutorials,</p> <p>Logic and philosophy of language (Colloquium)</p>
SS 2006	<p>Logic programming, + Tutorials (with F. Hamm)</p> <p>Logic programming: Additional tutorial for advanced students</p> <p>Classical Philosophers of China (with Xing Taotao)</p> <p>Logic and philosophy of language (Colloquium)</p>
WS 2006/2007	<p>Nonclassical logics, + Tutorials</p> <p>Nonclassical logics: Additional tutorial for advanced students</p> <p>Logics for programs and processes (Dynamic logic), + Tutorials (with M. Arndt)</p> <p>Philosophy of computability (especially: "hypercomputation"), (with T. Piecha)</p> <p>Logic and philosophy of language (Colloquium)</p>

SS 2007	Sabbatical
WS 2007/2008	<p>Introduction to logic (for students of philosophy), + Tutorials (with T. Piecha)</p> <p>Mathematical logic, + Tutorials</p> <p>Mathematical and philosophical logic: Advanced topics</p> <p>The history of logic programming (with J. Hudelmaier)</p> <p>Logic and philosophy of language (Colloquium)</p>
SS 2008	<p>Mathematical logic II: Second-order logic and Gödel's theorems, + Tutorials</p> <p>Proofs and refutations in logic (with T. Piecha)</p> <p>Mathematical and philosophical logic: Advanced topics</p> <p>Logic and philosophy of language (Colloquium)</p>
WS 2008/2009	<p>Mathematical logic I, + Tutorials</p> <p>The system of Leibniz's logic</p> <p>Mathematical and philosophical logic: Advanced topics</p> <p>Logic and philosophy of language (Colloquium)</p>
SS 2009	<p>Mathematical logic II: Modal and intuitionistic logic, proof theory, + Tutorials</p> <p>Mathematical and philosophical logic: Advanced topics</p> <p>Conditionals (with B. Więckowski)</p> <p>Logic and philosophy of language (Colloquium)</p>
WS 2009/10	Extraordinary sabbatical (paid by research grant)
SS 2010	<p>Mathematical logic II: Gödel's theorems, modal and provability logic, + Tutorials</p> <p>Mathematical and philosophical logic: Advanced topics</p> <p>Vagueness (with B. Więckowski)</p> <p>Logic and philosophy of language (Colloquium)</p>
WS 2010/11	<p>Mathematical logic I, + Tutorials</p> <p>Mathematical and philosophical logic: Advanced topics</p> <p>Popper: The Logic of Scientific Discovery</p> <p>Logic and philosophy of language (Colloquium)</p>
SS 2011	<p>Mathematical logic II: Proof theory, Gödel's theorems, + Tutorials</p> <p>Mathematical and philosophical logic: Advanced topics</p> <p>Frege: Selected writings on the philosophy of language</p> <p>Logic and philosophy of language (Colloquium)</p>
WS2011/12	Sabbatical

SS 2012	Mathematical logic I, + Tutorials Mathematical and philosophical logic: Advanced topics Frege: Basic writings on logic Logic and philosophy of language (Colloquium)
WS 2012/13	Mathematical logic I, + Tutorials Mathematical and philosophical logic: Advanced topics Truth, proof, consequence (with L. Tranchini) Logic and philosophy of language (Colloquium)
SS 2013	Mathematical logic II: Gödel's theorems, proof theory, + Tutorials Philosophy of mathematics Mathematical and philosophical logic: Advanced topics Logic and philosophy of language (Colloquium)
WS 2013/14	Paradoxes (with L. Tranchini) Mathematical and philosophical logic: Advanced topics Logic and philosophy of language (Colloquium)
SS 2014	Mathematical logic I, + Tutorials Mathematical and philosophical logic: Advanced topics Logic and philosophy of language (Colloquium)
WS 2014/15	Mathematical logic II: Proof theory of arithmetic, + Tutorials Frege: Grundlagen der Arithmetik (with L. Tranchini) Mathematical and philosophical logic: Advanced topics Logic and philosophy of language (Colloquium)

Courses taught at summer schools:

1993	General proof theory (with Lars Hallnäs) Advanced course given at the 5th European Summer School in Logic, Language and Information (ESSLII), Lisbon (Portugal), 16-27 August 1993.
2007	Proof-theoretic semantics Course given at the 2nd World Congress and School on Universal Logic, Xi'an (China), 16-22 August 2007.
2009	Proof-theoretic semantics Revised and extended version of the 2007 course, given at the 21th European Summer School in Logic, Language and Information (ESSLII), Bordeaux (France), 20-31 July 2009.