Prof. Dr. Thomas Studer

Personal Information

Work Address	Institut für Informatik Universität Bern Neubrückstrasse 10 3012 Bern Switzerland
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Date of Birth	April 4, 1972
Citizenship	Switzerland (Werthenstein LU)
Family Status	Married, three children

Education

03/10	**Venia Docendi for "Theoretical Computer Science and Logic"** **University of Bern, Switzerland**
11/97 - 04/01	**PhD in Computer Science** **University of Bern, Switzerland** Thesis: *Object-Oriented Programming in Explicit Mathematics: Towards the Mathematics of Objects* Supervisor: Prof. Gerhard Jäger Grade: 6.0 (best possible)
10/92 - 10/97	**Diploma in Computer Science** **University of Bern, Switzerland** Thesis: *Explicit mathematics: W-type, models* Supervisor: Prof. Gerhard Jäger Undergraduate minors: Mathematics, Philosophy Grade: 6.0 (best possible)

Employment History

Since 04/14	**Associate Professor (Assoziierter Professor)** Institute of Computer Science, University of Bern
09/05 – 03/14	**Lecturer (Dozent)** Institute of Computer Science, University of Bern
10/03 – 08/05	**Assistant** Research Group Logic and Theoretical Computer Science, University of Bern
06/01 – 07/03	**Senior Software Engineer, Member of the Management Board** Crosspoint Informatik AG, Switzerland
11/97 - 04/01	**PhD Student** Research Group Logic and Theoretical Computer Science, University of Bern
10/95 – 06/99	**Teaching Assistant** Institute of Computer Science, University of Bern

Professional Activities

Research Grants

I have successfully applied (as PI or Co-PI) for six research projects, which were granted by the Swiss National Science Foundation (SNSF) and by the Swiss State Secretariat for Education and Research (SER) as specified in the table below.

Justifications and Non-classical Reasoning	SNSF	PI	2016-2019	CHF 352,926
Logics for Privacy	SNSF	PI	2014-2015	CHF 63,048
Structural Proof Theory and the Logic of Proofs	SNSF	Co-PI	2014-2017	CHF 456,798
Logics for Privacy	SNSF	PI	2011-2014	CHF 163,224
Computational Proof Theory	SER	Co-PI, joint project with Moscow State University	2010-2012	CHF 174,335
Dynamic Ontologies	SNSF	Co-PI, joint project with University of Neuchâtel	2006-2008	CHF 289,951

PhD Students

- Eveline Lehmann, onging
- Nenad Savic, ongoing
- Alexander Kashev, 2016
- Ioannis Kokkinis, 2016
- Johannes Werner, 2015
- Phiniki Stouppa, 2009

Swiss Academy of Sciences

- Member of the Executive Committee of the Platform Mathematics, Astronomy and Physics (MAP) , since 2016
- Member of the Swiss National Committee for the International Union of History and Philosophy of Science (NC IUHPS), since 2009

Swiss Society for Logic and Philosophy of Science

- President, since 2014
- Secretary, 2009-2013

Services to the University of Bern

- Member of the Strategy Board (former Planungsausschuss), Faculty of Science, since 2008
- Director of studies, Institute of Computer Science, 2012 and 2016
- QSE-coach (responsible for quality assurance and development), 2006-2013 (for Computer Science) and 2017 (for Mathematics, Statistics and Computer Science)
- Representative of Oberer Mittelbau Mathematik, Statistik, Informatik in the Faculty of Science, since 2016
- Member of the Hauskommission ExWi, since 2016
- Member of many temporary committees (e.g., Struktur-, Anstellungs- und Habilitationskommissionen), Faculty of Science
- Member of the organizing committee for Digitale Information: Zwischen Flüchtigkeit und Bewahrung, Collegium Generale, 2008

Prize Juries

- Member of the jury for the Prix Schläfli, 2018
- President of the jury for the Bernays Prize, 2014, 2015, 2017

International Conference and Workshop Organization

- AiML 2018: Advances in Modal Logic (co-chair)
- LATD 2018: Logic, Algebra and Truth Degrees (co-chair)
- TAMC 2017: Theory and Applications of Models of Computation
- LAP 2016, 2017: Logic and Applications (co-chair)
- LP 2016: Logic and Probability (chair)
- APT 2013: Advances in Proof Theory (co-chair)
- ExPa 2012: Explicit Paradigms in Logic and Computer Science
- PCC 2010: Proof, Computation, Complexity (co-chair)
- LC 2008: Logic Colloquium

Matura Examinations Kanton Bern

- Expert for mathematics, since 2004
- Expert for computer science, since 2010

PhD Juries

- Rapporteur and member of the PhD Jury of Sabine Frittella, Aix-Marseille University, 2014
- Rapporteur and member of the PhD Jury of Fabrizio Alberetti, University of Neuchâtel, 2015

CUSO Doctoral Program in Computer Science

- Representative of the University of Bern, since 2017

Swiss Olympiad in Informatics

- Local organizer of the Swiss Olympiad in Informatics Finals, 2015, 2016, and 2017

Refereeing

- Journals: Acta Informatica, Annals of Pure and Applied Logic, Archive for Mathematical Logic, Bulletin of Symbolic Logic, Journal of Logic and Computation, Logic Journal of the IGPL, Logique et Analyse, Mathematical Logic Quaterly, Review of Symbolic Logic, Synthese, Studia Logica, Theoretical Computer Science, ...
- Conferences / workshops: AiML, CSL, IJCAR, JELIA, LFCS, M4M, MFCS, TAMC, …
- Funding agencies: Vienna Science and Technology Fund WWTF

Teaching Experience

Lectures (University of Bern)

FS 17	Datenbanken
FS 17	Praktikum Software Engineering (Customers: eonum AG, SwissDRG, qualitaetsmedizin.ch, Pfadi Patria, Bergclub Bern)
HS 16	Justification Logic
HS 16	Grundlagen der Technischen Informatik
HS 16	Einführung in die Informatik (joint lecture of all CS docents)
HS 16	Anwendungssoftware
FS 16	Datenbanken
FS 16	Praktikum Software Engineering (Customers: eonum AG, SwissDRG, iLUB, Hochschuldidaktik UniBe)
FS 16	Seminar: Theoretische Informatik und Logik
HS 15	Modal Logic
HS 15	Grundlagen der Technischen Informatik
HS 15	Einführung in die Informatik (joint lecture of all CS docents)
HS 15	Anwendungssoftware
FS 15	Datenbanken
FS 15	Praktikum Software Engineering (Customers: eonum AG, tink.ch, SwissDRG, Digital Humanities @ Universität Bern, Pfadi Patria)
HS 14	Justification Logic
HS 14	Grundlagen der Technischen Informatik

HS 14	Einführung in die Informatik (joint lecture of all CS docents)
HS 14	Anwendungssoftware
FS 14	Seminar: Algebra and Logic (together with George Metcalfe)
FS 14	Datenbanken
FS 14	Praktikum Software Engineering (Customers: SolarSuperState Association, SwissDRG, Pfadi Patria, iLUB)
HS 13	Dynamic Epistemic Logic
HS 13	Grundlagen der Technischen Informatik
HS 13	Einführung in die Informatik (joint lecture of all CS docents)
HS 13	Anwendungssoftware
FS 13	Datenbanken
FS 13	Praktikum Software Engineering (Customers: Schule Länggasse, SUB, SGfM, SwissDRG)
HS 12	Justification Logic
HS 12	Grundlagen der Technischen Informatik
HS 12	Einführung in die Informatik (joint lecture of all CS docents)
HS 12	Anwendungssoftware
FS 12	Rechnerarchitektur
FS 12	Praktikum Software Engineering (Customers: SwissDRG, eonum AG, getItLate)
FS 11	Rechnerarchitektur
FS 11	Praktikum Software Engineering (Customers: NILE Clothing, Freudiger EDV Beratung, Institut für Erziehungswissenschaft)
HS 10	Grundlagen der Technischen Informatik
HS 10	Einführung in die Informatik (joint lecture of all CS docents)
HS 10	Anwendungssoftware
FS 10	Rechnerarchitektur
FS 10	Praktikum Software Engineering (Customers: Lumrix GmbH, Uptown Bigband)
HS 09	Grundlagen der Technischen Informatik
HS 09	Einführung in die Informatik (joint lecture of all CS docents)
HS 09	Anwendungssoftware
FS 09	Rechnerarchitektur
FS 09	Praktikum Software Engineering (Customers: SBB, Lumrix GmbH, Internationales Büro Universität Bern)
FS 09	Seminar: Theoretische Informatik und Logik
HS 08	Grundlagen der Technischen Informatik
HS 08	Anwendungssoftware
FS 08	Rechnerarchitektur
FS 08	Praktikum Software Engineering (Customers: Swisscom, Bujutsu School Bern)
HS 07	Grundlagen der Technischen Informatik
HS 07	Anwendungssoftware
SS 07	Rechnerarchitektur

SS 07	Praktikum Software Engineering (Customers: Swisscom, Web-Id GmbH, Informatikdienste Universität Bern)
WS 06/07	Grundlagen der Technischen Informatik
WS 06/07	Anwendungssoftware
SS 06	Rechnerarchitektur
SS 06	Praktikum Software Engineering (Customer: Cassarius AG)
SS 06	Seminar: Theoretische Informatik und Logik
WS 05/06	Grundlagen der Technischen Informatik
WS 05/06	Anwendungssoftware
SS 04	Anwendungssoftware
WS 03/04	Anwendungssoftware

Lectures (University of Applied Sciences Solothurn Northwestern Switzerland)

SS 98	Substitute lecturer in mathematics

Publications (authors are listed in alphabetical order)

Book

- Relationale Datenbanken: von den theoretischen Grundlagen zu Anwendungen mit PostgreSQL, Springer, 2016

Book (edited)

- Advances in Proof Theory, jointly edited with Reinhard Kahle and Thomas Strahm, vol 28 of Progress in Computer Science and Applied Logic, Birkhäuser, 2016

In journals

- Intuitionistic Modal Logic Made Explicit, joint paper with Michel Marti, IfCoLog Journal of Logics and their Applications, 3(5):877-901, 2016
- Weak Arithmetical Interpretations for the Logic of Proofs, joint paper with Roman Kuznets, Logic Journal of the IGPL, 2016
- First Steps towards Probabilistic Justification Logic, joint paper with Ioannis Kokkinis, Petar Maksimović, and Zoran Ognjanović, Logic Journal of the IGPL, 23(4):662-687, 2015
- Censors for Boolean Description Logic, joint paper with Johannes Werner, Transactions on Data Privacy, 7(3):223-252, 2014
- Justifying induction on modal mu-formulae, joint paper with Luca Alberucci and Jürg Krähenbühl, Logic Journal of the IGPL, 22(6):805-817, 2014
- Realizing Public Announcements by Justifications, joint paper with Samuel Bucheli and Roman Kuznets, Journal of Computer and System Sciences, 80(6):1046-1066, 2014
- Decidability for some justification logics with negative introspection, Journal of Symbolic Logic, 78(2):388-402, 2013
- A Universal Approach to Guarantee Data Privacy Logica Universalis, 7(2):195-209, 2013
- Syntactic cut-elimination for a fragment of the modal mu-calculus, joint paper with Kai Brünnler, Annals of Pure and Applied Logic, 163(12):1838-1853, 2012.
- Justification Logic, Inference Tracking, and Data Privacy, Logic and Logical Philosophy, 20(4):297-306, 2011

- Justifications for Common Knowledge, joint paper with Samuel Bucheli and Roman Kuznets, Journal of Applied Non-classical Logics, 21(1):35-60, 2011
- A Buchholz Rule for Modal Fixed Point Logics, joint paper with Gerhard Jäger, Logica Universalis, 5(1):1-19, 2011
- Syntactic cut-elimination for common knowledge, joint paper with Kai Brünnler, Annals of Pure and Applied Logic, 160(1):82-95, 2009
- Common Knowledge does not have the Beth property, Information Processing Letters, 109:611-614, 2009
- On the proof theory of the modal mu-calculus, Studia Logica, 89:343-363, 2008
- Canonical completeness of infinitary mu, joint paper with Gerhard Jäger and Mathis Kretz, Journal of Logic and Algebraic Programming, 76(2):270-292, 2008
- On Contraction and the Modal Fragment, joint paper with Kai Brünnler and Dieter Probst, Mathematical Logic Quarterly, 54(4):345-349, 2008
- Cut-free Common Knowledge, joint paper with Gerhard Jäger and Mathis Kretz, Journal of Applied Logic, 5:681-689, 2007
- Deduction Chains for Common Knowledge, joint paper with Mathis Kretz, Journal of Applied Logic, 4:331-357, 2006
- Explicit Mathematics: Power Types and Overloading, Annals of Pure and Applied Logic, 134 (2-3):284-302, 2005
- Extending the system T_0 of explicit mathematics: the limit and Mahlo axioms, joint paper with Gerhard Jäger, Annals of Pure and Applied Logic, 114 (1-3):79-101, 2002
- Formalizing non-termination of recursive programs, joint paper with Reinhard Kahle, Journal of Logic and Algebraic Programming, 49 (1-2):1-14, 2001
- A semantics for $\lambda\{\}$: a calculus with overloading and late-binding, Journal of Logic and Computation, 11 (4):527-544, 2001
- How to normalize the jay, joint paper with Dieter Probst, Theoretical Computer Science, 254 (1-2):677-681, 2001
- Universes in explicit mathematics, joint paper with Gerhard Jäger and Reinhard Kahle, Annals of Pure and Applied Logic, 109 (3):141-162, 2001

In conference proceedings and collections (full papers)

- The Proof Theory of Common Knowledge, joint paper with Michel Marti, in H. van Ditmarsch and G. Sandu, editors, Jaakko Hintikka on knowledge and game theoretical semantics, Outstanding Contributions to Logic, Springer, in print
- Temporal Justification Logic, joint paper with Samuel Bucheli and Meghdad Ghari, in Proceedings of Methods for Modalities M4M-9, in print
- Probabilistic Justification Logic, joint paper with Ioannis Kokkinis and Zoran Ognjanović, in S. Artemov, A. Nerode, editors, Proceedings of Logical Foundations of Computer Science LFCS'16, volume 9537 of LNCS, pages 174-186. Springer, 2016
- Cyclic Proofs for Linear Temporal Logic, joint paper with Ioannis Kokkinis, in D. Probst, P. Schuster, editors, Concepts of Proof in Mathematics, Philosophy, and Computer Science, volume 6 of Ontos Mathematical Logic, pages 171-192. De Gruyter, 2016
- Decidability for Justification Logics Revisited, joint paper with Samuel Bucheli and Roman Kuznets, in G. Bezhanishvili, S. Löbner, V. Marra, F. Richter, editors, Logic, Language and Computation TbiLLC 2011, volume 7758 of LNCS, pages 166-181. Springer, 2013
- Update As Evidence: Belief Expansion, joint paper with Roman Kuznets, in S. Artemov, A. Nerode, editors, Proceedings of Logical Foundations of Computer Science LFCS'13, volume 7734 of LNCS, pages 266-279. Springer, 2013
- Justifications, Ontology, and Conservativity, joint paper with Roman Kuznets, in T. Bolander, T. Braüner, S. Ghilardi, L. Moss, editors, Advances in Modal Logic, volume 9, pages 437-458. College Publications, 2012
- Justified Terminological Reasoning, in E. Clarke, I. Virbitskaite, A. Voronkov, editors, Proceedings of Perspectives of System Informatics PSI'11, volume 7162 of LNCS, pages 349-361. Springer, 2012

- Cut-elimination for the mu-calculus with one variable, joint paper with Grigori Mints, in Fixed Points in Computer Science 2012, volume 77 of EPTCS, pages 47–54. Open Publishing Association, 2012
- An application of justification logic to protocol verification, in Proceedings of Computational Intelligence and Security CIS 2011, pages 779-783. IEEE, 2011
- Partial Realization in Dynamic Justication Logic, joint paper with Samuel Bucheli and Roman Kuznets, in L. Beklemishev and R. de Queiroz, editors, Logic, Language, Information and Computation WOLLIC 2011, volume 6642 of LNCS, pages 35-51. Springer 2011
- Justified Belief Change, joint paper with Samuel Bucheli, Roman Kuznets, Bryan Renne, and Joshua Sack, in X. Arrazola, M. Ponte, editors, Proceedings of Logic and Philosophy of Knowledge, Communication and Action, pages 135-155. Basque Country Press 2010
- Two ways to common knowledge, joint paper with Samuel Bucheli and Roman Kuznets, in T. Bolander, T. Braüner, editors, Proceedings of Methods for Modalities M4M6, volume 262 of ENTCS, pages 83-98. Elsevier 2010
- Privacy Preserving Modules for Ontologies, in A. Pnueli, I. Virbitskaite, A. Voronkov, editors, Proceedings of Perspectives of System Informatics PSI'09, volume 5947 of LNCS, pages 380-387. Springer 2010
- Data privacy for ALC knowledge bases, joint paper with Phiniki Stouppa, in S. Artemov, A. Nerode, editors, Proceedings of Logical Foundations of Computer Science LFCS'09, volume 5407 of LNCS, pages 409-421. Springer 2009
- Syntactic cut-elimination for common knowledge (superseded by the journal version), joint paper with Kai Brünnler, in C. Areces and S. Demri, editors, Proceedings of Methods for Modalities M4M5, volume 231 of ENTCS, pages 227-240. Elsevier 2009
- Improving semantic query answering, joint paper with Norbert Kottmann, in R. Wagner, N. Revell, G. Pernul, editors, Proceedings of 18th International Conference on Database and Expert Systems Applications DEXA '07, volume 4653 of LNCS, pages 671-679. Springer 2007
- Total Public Announcements, joint paper with David Steiner, in S. Artemov, A. Nerode, editors, Proceedings of Logical Foundations of Computer Science LFCS'07, volume 4514 of LNCS, pages 498-511. Springer, 2007
- A Formal Model of Data Privacy, joint paper with Phiniki Stouppa, in in I. Virbitskaite, A. Voronkov, editors, Proceedings of Perspectives of System Informatics PSI'06, volume 4378 of LNCS, pages 401-411. Springer, 2007
- A finitary cut-free axiomatization for stratified modal fixed point logics, joint paper with Gerhard Jäger and Mathis Kretz, in H. Schlingloff, editor, Proceedings of Methods for Modalities 4, pages 125-143. 2005
- Provable Data Privacy, joint paper with Kilian Stoffel, in K. Viborg Andersen, J. Debenham, R. Wagner, editors, Proceedings of 16th International Conference on Database and Expert Systems Applications DEXA '05, volume 3588 of LNCS, pages 324-332. 2005
- Probabilistic ABox Reasoning: Preliminary Results, joint paper with Michael Dürig, in I. Horrocks, U. Sattler, F. Wolter, editors, Proceedings of Description Logics DL'05, pages 104-111. 2005
- Constructive Foundations for Featherweight Java, in R.Kahle, P.Schroeder-Heister, R. Stärk, editors, Proof Theory in Computer Science, volume 2183 of LNCS, pages 202-238. Springer, 2001
- A theory of explicit mathemtics equivalent to ID_1, joint paper with Reinhard Kahle, in P. Clote, H. Schwichtenberg, editors, Computer Science Logic CSL 2000, volume 1862 of LNCS, pages 356-370. Springer, 2000

Theses

- Proof-Theoretic Contributions to Modal Fixed Point Logics, Habilitation thesis, University of Bern, 2010
- Object-Oriented Programming in Explicit Mathematics: Towards the Mathematics of Objects, Dissertation thesis, University of Bern, 2001

- Explicit mathematics: W-type, models, Master's thesis, University of Bern, 1997

In the Media

- On July 3, 2001 the „Neue Mittelland Zeitung" published a full-page portrait of my PhD research in the series "Junge Forschende".

Selected Talks (* invited)

- The Proof-Theory of Common Knowledge*, Constructivism, Logic and Topology, Bern, January, 2017
- Temporal Justification Logic, Proofs, Methods for Modalities, Kanpur, January 2017
- Justification Logic*, Proofs, Justification and Certificates, Toulouse, June 2016
- The Proof Theory of Common Knowledge*, Various Aspects of Modality, Isfahan, May 2016
- Justification Logic*, Various Aspects of Modality, Isfahan, May 2016
- Justification Logic*, Interdisciplinary Lab for Intelligent and Adaptive Systems, Luxembourg, March 2016
- Probabilistic Justification Logic, Logical Foundations of Computer Science, Deerfield Beach, Florida, January 2016
- Introduction to Justification Logic*, Non-Classical Logics and Paradox II, Bern, October, 2015
- Probabilistic Justification Logic, Universal Logic, Istanbul, June 2015
- Justification Logic*, Seminar for Probability Logic, Mathematical Institute of Serbian Academy of Sciences and Arts, Belgrade, June 2015
- Modal Logic–an Introduction*, Center for Mathematics and Statistics: General Seminar, University of Novi Sad, June 2015
- Proofs and Fixed Points*, Journée Logique, Marseille, December 2014.
- Justification Logic–a Short Introduction, Logic and Applications, Dubrovnik, September 2014
- Weak Arithmetical Semantics for the Logic of Proofs, Logic Colloquium, Vienna, July 2014
- On Cuts and Cut-Elimination in Modal Fixed Point Logics, Gentzen Systems and Beyond, Vienna, July, 2014
- Towards Syntactic Cut-Elimination for Termporal Logics, Theory and Application of Formal Proofs, Paris, November 2013
- Cut-Elimination for Modal Fixed Point Logics, Logic and Applications, Dubrovnik, September 2013
- Update as Evidence, Universal Logic, Rio de Janeiro, April 2013
- Update as Evidence: Belief Expansion, Logic and Information, Schloss Münchenwiler, February 2013
- Justification Logic–a Short Introduction*, Winter School on Proof and Computation, Les Diablerets, January 2013
- Update as Evidence: Belief Expansion, Logical Foundations of Computer Science, San Diego, January 2013
- Justifications, Ontology, and Conservativity, Advances in Modal Logic, Copenhagen, August 2012
- Cut-Elimination for the mu-Calculus with one Variable, Algebra and Coalgebra meet Proof Theory, Prague, April 2012
- Cut-Elimination for the mu-Calculus with one Variable, Fixed Points in Computer Science, Tallinn, March 2012
- An Application of Justification Logic to Protocol Verification, Computational Intelligence and Security, Sanya, December 2011

- Decidability for Justification Logics, Logic and Information, Schloss Münchenwiler, October 2011
- Decidability for Justification Logics Revisited, Symposium on Language, Logic and Computation, Kutaisi, September 2011
- Dynamic Justification Logic, Logic, Methodology and Philosophy of Science, Nancy, July 2011
- Justified Terminological Reasoning, Perspectives of System Informatics, Novosibirsk, June 2011
- Description Logics und Web-Ontologien*, Gesellschaft für Mathematik an Schweizer Fachhochschulen, Generalversammlung, Regensdorf, June 2011
- Deductive Systems for Common Knowledge*, Algebra and Coalgebra meet Proof Theory, Bern, April 2011
- Justified Belief Change, Logic and Philosophy of Knowledge, Communication and Action, San Sebastian, November 2010
- Knowledge Base Distortion to Guarantee Data Privacy, Non-Classical Logic: Theory and Applications, Torun, September 2010
- Syntactic Cut-elimination for Modal Fixed Point Logics, Universal Logic, Monte Estoril, April 2010
- Two Ways to Common Knowledge, Methods for Modalities 6, Copenhagen, November 2009
- On the Proof Theory of Common Knowledge, British Logic Colloquium, Swansea, September 2009
- The Buchholz rule for modal fixed point logics, Leeds Symposium on Proof Theory and Constructivism, Leeds, July 2009
- Privacy Preserving Modules for Ontologies, Perspectives of System Informatics, Novosibirsk, June 2009
- Data Privacy for ALC Knowledge Bases, Logical Foundations of Computer Science, Deerfield Beach, Florida, January 2009
- Common Knowledge does not have the Beth Property, Logic and Information, Schloss Münchenwiler, November 2008
- Canonical Completeness for Infinitary mu-Calculus*, ABCD on mu-Calculus, Lausanne, May 2008
- On Contraction and the Modal Fragment*, Contraction Free Logic, Hamburg, April 2008
- Syntactic Cut-Elimination for Common Knowledge*, Modal Fixed Point Logics, Amsterdam, March 2008
- Syntactic Cut-Elimination for Modal Fixed Point Logics, Logic and Information, Schloss Münchenwiler, March 2008
- Completeness Proofs for the Modal mu-Calculus, Mathematics in a Modern World, Novosibirsk, September 2007
- Improving Semantic Query Answering, Database and Expert Systems Applications, Regensburg, September 2007
- Total Public Announcements, Logical Foundations of Computer Science, New York, June 2007
- Deductive Systems for the Modal mu-Calculus, Temporal Logic and Temporal Reasoning, Schloss Münchenwiler, May 2007
- Infinitary systems for the modal mu-calculus, Workshop on Proof, Computation, Complexity, Swansea, April 2007
- On the Proof Theory of the Modal mu-Calculus, Deduktive Aspekte der Beweistheorie und Informatik, München, December, 2006
- Datenbanken – einfach erklärt*, Fachschaftstagung Informatik, Mathematik und Physik, Thun, November, 2006.
- Cut-free Systems for the Propositional Modal mu-Calculus*, Logic Colloquium, Nijmegen, July, 2006.
- A Formal Model of Data Privacy, Perspectives of System Informatics, Novosibirsk, June 2006.

- A Logical Approach to Data Privacy, Deduktive Aspekte der Beweistheorie und Informatik, Bern, June 2006.
- Probabilistic Description Logic, Workshop on Non-classical Logic: its Mathematics and Philosophy, Bern, October 2005.
- Provable Data Privacy, Database and Expert Systems Applications, Copenhagen, August 2005.
- Probabilistic ABox Reasoning: Preliminary Results, Workshop on Description Logics, Edinburgh, July 2005
- A finitary cut-free axiomatization for stratified modal fixed point logic, Workshop on Proof, Computation, Complexity, Lisboa, July 2005
- Relational Representation of ALN Knowledge Bases, Virtual Multi Conference on Computer Science and Information Systems, April 2005
- Ontology based OLAP, Inference and Deduction, Schloss Münchenwiler, November 2004
- Database Security via Term Models, Swiss Meeting of Young Researchers in Logic, Bern, October 2004
- Canonical Databases under Key Constraints, Inference and Deduction, Schloss Münchenwiler, May 2004
- Das Acquiring System – ein Projektbericht*, Informatik Kolloquium, Universität Bern, June 2002
- Eine denotationelle Semantik für Featherweight Java*, Informatik Kolloquium, Universität Tübingen, October 2000
- Impredicative Overloading in Explicit Mathematics, Logic Colloquium, Paris, July 2000
- Impredikativität und Overloading, Deduktive Aspekte der Beweistheorie und Informatik, Bern, April 2000
- Modelle expliziter Mathematik, Deduktive Aspekte der Beweistheorie und Informatik, Bern, April 1997