Lebenslauf

Univ.Prof. Dipl.-Ing. Dr.techn. Stefan WOLTRAN

Persönliche Daten

Geburtsdatum:	8. Jänner 1975	Geburtsort:	Mödling
Staatsangehörigkeit:	Österreich	Familienstand:	ledig

Werdegang

1981 bis 1985:	Volksschule Katzelsdorf.
1985 bis 1989:	Klemens. M. Hofbauer Gymnasium Katzelsdorf.
1989 bis 1994:	Höhere technische Bundes- Lehr- und Versuchsanstalt Wr. Neustadt.
1994 bis 2001:	Studium der Informatik an der Technischen Universität Wien.
2001 bis 2003:	Doktoratsstudium an der Technischen Universität Wien.
Juli 2001 bis Mai 2007:	tätig am Institut für Informationssysteme, Arbeitsbereich für Wissensbasierte Systeme, TU Wien.
Juni 2007 bis Juni 2013:	Universitätsassistent am Institut für Informationssysteme, Arbeitsbereich für Datenbanken und Artificial Intelligence, TU Wien.
Juli 2013 bis Jän. 2015:	Associate Professor am Institut für Informationssysteme, Arbeitsbereich für Datenbanken und Artificial Intelligence, TU Wien.
Okt. 2013 bis Feb. 2014:	Vertretungsprofessur: Algebraische und logische Grundlagen der Informatik, Universität Leipzig.
seit Feb. 2015:	Professur: Formal Foundations of Artificial Intelligence. Institut für Logic and Computation (bis 2018: Institut für Informationssysteme), Forschungsbereich für Datenbanken und Artificial Intelligence, TU Wien.
seit Jän 2020:	Leiter des Arbeitsbereichs für Datenbanken und Artificial Intelligence.

Reifeprüfung (20. Juni 1994)
Höhere technische Bundes- Lehr- und Versuchsanstalt Wiener Neustadt,
Fachrichtung Informatik (EDVO) (*mit Auszeichnung*).

Diplomprüfung (22. Jänner 2001)
Technische Universität Wien, Technisch-Naturwissenschaftliche Fakultät (*mit Auszeichnung*).
Thema der Diplomarbeit: *A Framework for Solving Advanced Reasoning Tasks*
(*ausgezeichnet mit dem OCG-Förderpreis 2002*).
Gutachter: Ao. Univ. Prof. Dr. Uwe Egly.

Rigorosum (29. April 2003)
Technische Universität Wien, Technisch-Naturwissenschaftliche Fakultät (*mit Auszeichnung*).
Thema der Dissertation: *Quantified Boolean Formulas - From Theory to Practice*
Gutachter: Ao. Univ. Prof. Dr. Uwe Egly und O. Univ. Prof. Dr. Thomas Eiter.

Habilitation (07. November 2008)
Technische Universität Wien, Fakultät für Informatik
Verleihung der Lehrbefugnis (venia docendi) für das Fach "Informationssysteme".
Habilitationsschrift: *Contributions to Advanced Equivalence Checking in Answer Set Programming*.

Auszeichnungen/Stipendien

- *EURAI Fellow*, seit 2018.
- *FWF START* Preisträger 2013.
- *Best paper awards*: ASP-Workshop 2005, RR 2010, COMMA 2010, KR 2012 – siehe Publikationsliste für Details.
- OCG-Förderpreis für hervorragende Diplom- und Magisterarbeiten aus dem Bereich der Informatik, 2002.
- Förderungsstipendium der TU Wien, 2001.
- Windhagstipendium des Landes Niederösterreich für besondere Studienleistungen, 2001.
- Förderungsstipendium der TU Wien, 2000.

Wissenschaftliche Aktivitäten

Vorsitzender Programmkomité

- *15th International Conference on Logic Programming and Nonmonotonic Reasoning* (*LPNMR'19*), Philadelphia, USA, Juni 2019. (Program Co-Chair gemeinsam mit Y. Lierler.)
- *10th International Symposium on Foundations of Information and Knowledge Systems* (*FoIKS'18*), Budapest, Ungarn, Mai 2018. (Program Co-Chair gemeinsam mit F. Ferrarotti.)
- *14th International Workshop on Non-Monotonic Reasoning* (*NMR'12*), Rom, Italien, Juni 2012. (Program Co-Chair gemeinsam mit R. Rosati.)

Organisation von Konferenzen/Arbeitstagungen/Wettbewerben

- Mitorganisator des *Declarative Problem Solving Workshop* (*DPSW'20*), Santiago de Compostela, Spanien. Juni 2020. (Gemeinsam mit Pedro Cabalar, Andreas Herzig, David Pearce, und Torsten Schaub.)
- Mitorganisator des *International Workshop on New Trends in Formal Argumentation* (*NTFA'19*), Wien, Österreich. April 2019. (Gemeinsam mit M. Diller und A. Rapberger.)
- Mitorganisator des *2nd International Workshop on Trends and Applications of Answer Set Programming* (*TAASP'18*), Wien, Österreich. November 2018. (Gemeinsam mit T. Eiter, W. Faber, G. Friedrich und T. Schaub.)
- Workshop Chair *34th International Conference on Logic Programming*, ICLP 2018, Oxford, UK.
- Mitorganisator der *2nd International Competition on Computational Models of Argumentation* (*ICCMA'17*). (Gemeinsam mit T. Linsbichler, M. Maratea, und S. Gaggl.)
- Mitorganisator des *International Workshop on New Trends in Formal Argumentation* (*NTFA'17*), Wien, Österreich. August 2017. (Gemeinsam mit A. Haret und J. Wallner.)

- Mitorganisator des *ÖGAI-Preis für die beste Diplomarbeit 2013–2016*. (Gemeinsam mit T. Eiter.)
- Mitorganisator des *1st International Workshop on Trends and Applications of Answer Set Programming* (*TAASP'16*), Klagenfurt, Österreich. September 2016. (Gemeinsam mit T. Eiter, W. Faber, J. Fichte und C. Redl.)
- Mitorganisator des *1st International Workshop on New Trends in Belief Change* (*NTBC'16*), Wien, Österreich. Mai 2016. (Gemeinsam mit A. Haret und J. Mailly.)
- Mitorganisator der *14th International Conference on Principles of Knowledge Representation and Reasoning* (*KR'14*), Wien. Juli 2014. (Gemeinsam mit M. Fink.)
- Session Organizer im Rahmen des *14th International Workshop on Computational Logic in Multi-Agent Systems* (*CLIMX XIV*), Corunna, Spanien. September 2013. (Gemeinsam mit P. Torroni.)
- Mitorganisator des *3rd International Workshop on Graph Structures for Knowledge Representation and Reasoning* (*GKR'13*), Peking, China. August 2013. (Gemeinsam mit M. Croitoru, C. Gonzales und S. Rudolph.)
- Mitorganisator der *4th International Conference on Computational Models of Argument* (*COMMA'12*), Wien. Sept. 2012. (Gemeinsam mit S. Szeider.)
- Mitorganisator des *8th Doctoral Consortium on Logic Programming* im Rahmen der *28th International Conference on Logic Programming* (*ICLP'12*), Budapest, Ungarn. September 2012. (Gemeinsam mit M. Gavanelli.)
- Mitorganisator des *7th Doctoral Consortium on Logic Programming* im Rahmen der *27th International Conference on Logic Programming* (*ICLP'11*), Lexington, Kentucky, USA. Juli 2011. (Gemeinsam mit A. Del Palú.)
- Mitorganisator des *ICLP-Workshop on Answer Set Programming and Other Computing Paradigms* (*ASPOCP'11*), Lexington, Kentucky, USA. Juli 2011. (Gemeinsam mit M. Balduccini.)
- Mitorganisator des *FLOC-Workshop on Answer Set Programming and Other Computing Paradigms* (*ASPOCP'10*), Edinburgh, UK. Juli 2010. (Gemeinsam mit M. Balduccini.)
- Mitorganisator des *MFCS/CSL Satellite Workshop on Parameterized Complexity of Computational Reasoning* (*PCCR'10*), Brno, Tschechien. August 2010. (Gemeinsam mit I. Razgon, M. Samer und S. Szeider.)
- Mitorganisator des *LPNMR-Workshop on Correspondence and Equivalence for Nonmonotonic Theories* (*CENT'07*), Tempe, Arizona. USA. Mai 2007. (Gemeinsam mit A. Polleres, D. Pearce und A. Valverde.)
- Mitorganisator des *Workshop on Logic Programming* (*WLP'06*), Wien. Februar 2006. (Gemeinsam mit M. Fink und H. Tompits.)

Mitgliedschaft in Lenkungskomités (Steering Committes)

- *Principles of Knowledge Representation and Reasoning, Incorporated (KR, Inc.)*, 2012–2016.
- *International Workshops on Nonmonotonic Reasoning (NMR)*.
- *COMMA – Computational Models of Argument*.
- *FoIKS – Foundations of Information and Knowledge Systems*.
- *Wolfgang Pauli Institute (WPI) Vienna*.
- *Vienna Center for Logic and Algorithms (VCLA)*.

Mitgliedschaft in Programmkomités (Konferenzen)

- **Area-Chair:** *17th International Conference on Principles of Knowledge Representation and Reasoning*, KR 2020, Rhodos, Griechenland.
- **Area-Chair:** *16th International Conference on Principles of Knowledge Representation and Reasoning*, KR 2018, Tempe, Arizona, USA.
- **Area-Chair:** *15th International Conference on Principles of Knowledge Representation and Reasoning*, KR 2016, Kapstadt, Südafrika. *29th International Joint Conference on Artificial Intelligence*, IJCAI 2020, Yokohama, Japan.
- **Senior-PC:** *34th AAAI Conference on Artificial Intelligence*, AAAI 2020, New York, USA.
- **Senior-PC:** *24th European Conference on Artificial Intelligence*, ECAI 2020, Santiago de Compostela, Spanien.
- **Senior-PC:** *28th International Joint Conference on Artificial Intelligence*, IJCAI 2019, Macao, China.
- **Senior-PC:** *33rd AAAI Conference on Artificial Intelligence*, AAAI 2019, Honolulu, USA.
- **Senior-PC:** *27th International Joint Conference on Artificial Intelligence*, IJCAI 2018, Stockholm, Schweden.
- **Senior-PC:** *26th International Joint Conference on Artificial Intelligence*, IJCAI 2017, Melbourne, Australien.
- **Senior-PC:** *24th International Joint Conference on Artificial Intelligence (KR Track)*, IJCAI 2015, Buenos Aires, Argentinien.
- **Senior-PC:** *21st European Conference on Artificial Intelligence*, ECAI 2014, Prag, Tschechische Republik.
- *8th International Conference on Computational Models of Argument*, COMMA 2018, Perugia, Italien.
- *11th International Symposium on Foundations of Information and Knowledge Systems*, FoIKS 2020, Dortmund, Deutschland.

- *3rd Chinese Conference on Logic and Argumentation*, CLAR 2020, Hangzhou, China.
- *33rd AAAI Conference on Artificial Intelligence*, AAAI 2019, Honolulu, Hawaii, USA.
- *36th International Symposium on Theoretical Aspects of Computer Science*, STACS 2019, Berlin, Deutschland.
- *35th International Conference on Logic Programming*, ICLP 2019, Las Cruces, USA.
- *16th European Conference on Logics in Artificial Intelligence*, JELIA 2019, Rende, Italien.
- *6th International Conference on Algorithmic Decision Theory*, ADT 2019, Durham, USA.
- *15th European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty*, ECSQARU 2019, Belgrad, Serbien.
- *42nd German Conference on Artificial Intelligence*, KI 2019, Kassel, Deutschland.
- *19th EPIA Conference on Artificial Intelligence*, EPIA 2019, Vila Real, Portugal.
- *32nd International Conference on Industrial, Engineering, Other Applications of Applied Intelligent Systems*, IEA/AIE 2019, Graz, Österreich.
- *32nd AAAI Conference on Artificial Intelligence*, AAAI 2018, New Orleans, Louisiana, USA.
- *34th International Conference on Logic Programming*, ICLP 2018, Oxford, UK.
- *7th International Conference on Computational Models of Argument*, COMMA 2018, Warschau, Polen.
- *33rd ACM SIGAPP Symposium On Applied Computing*, SAC 2018, Pau, Frankreich.
- *41st German Conference on Artificial Intelligence*, KI 2018, Berlin, Deutschland.
- *20th International Symposium on Practical Aspects of Declarative Languages*, PADL 2018, Los Angeles, Kalifornien, USA.
- *2nd Chinese Conference on Logic and Argumentation*, CLAR 2018, Hangzhou, China.
- *31st AAAI Conference on Artificial Intelligence*, AAAI 2017, San Francisco, Kalifornien, USA.
- *14th International Conference on Logic Programming and Nonmonotonic Reasoning*, LPNMR 2017, Helsinki, Finnland.
- *33rd International Conference on Logic Programming*, ICLP 2017, Melbourne, Australia.
- *32nd ACM SIGAPP Symposium On Applied Computing*, SAC 2017, Marrakech, Marokko.
- *40th German Conference on Artificial Intelligence*, KI 2017, Dortmund, Deutschland.
- *30th International Conference on Industrial, Engineering, Other Applications of Applied Intelligent Systems*, IEA/AIE 2017, Arras, Frankreich.
- *5th International Conference on Algorithmic Decision Theory*, ADT 2017, Luxemburg, Luxemburg.

- *18th EPIA Conference on Artificial Intelligence*, EPIA 2017, Porto, Portugal.
- *25th International Joint Conference on Artificial Intelligence*, IJCAI 2016, New York, USA.
- *30th AAAI Conference on Artificial Intelligence*, AAAI 2016, Phoenix, Arizona, USA.
- *22nd European Conference on Artificial Intelligence*, ECAI 2016, Den Haag, Niederlande.
- *6th International Conference on Computational Models of Argument*, COMMA 2016, Potsdam, Deutschland.
- *32nd International Conference on Logic Programming*, ICLP 2016, New York, USA.
- *15th European Conference on Logics in Artificial Intelligence*, JELIA 2016, Larnaca, Zypern.
- *8th European Starting AI Researcher Symposium*, STAIRS 2016, Den Haag, Niederlande.
- *9th International Symposium on Foundations of Information and Knowledge Systems*, FoIKS 2016, Linz, Österreich.
- *39th German Conference on Artificial Intelligence*, KI 2016, Klagenfurt, Österreich.
- *2nd Global Conference on Artificial Intelligence*, GCAI 2016, Berlin, Deutschland.
- *1st Chinese Conference on Logic and Argumentation*, CLAR 2016, Hangzhou, China.
- *29th AAAI Conference on Artificial Intelligence*, AAAI 2015, Austin, Texas, USA.
- *13th International Conference on Logic Programming and Nonmonotonic Reasoning*, LPNMR 2015, Lexington, Kentucky, USA.
- *31st International Conference on Logic Programming*, ICLP 2015, Cork, Irland.
- *9th International Conference on Scalable Uncertainty Management*, SUM 2015, Quebec, Kanada.
- *1st Global Conference on Artificial Intelligence*, GCAI 2015, Tblisi, Georgien.
- *Studierendenkonferenz Informatik*, SKILL 2015, Cottbus, Deutschland.
- *14th International Conference on Principles of Knowledge Representation and Reasoning*, KR 2014, Wien, Österreich.
- *5th International Conference on Computational Models of Argument*, COMMA 2014, Scottish Highlands, Schottland.
- *30th International Conference on Logic Programming*, ICLP 2014, Wien, Österreich.
- *14th European Conference on Logics in Artificial Intelligence*, JELIA 2014, Madeira, Portugal.
- *7th European Starting AI Researcher Symposium*, STAIRS 2014, Prag, Tschechische Republik.
- *15th International Workshop on Computational Logic in Multi-Agent Systems*, CLIMA XV, Prag, Tschechische Republik.

- *International Symposium on Artificial Intelligence and Mathematics*, ISAIM 2014, Fort Lauderdale, Florida, USA.
- *8th International Symposium on Foundations of Information and Knowledge Systems*, FoIKS 2014, Bordeaux, Frankreich.
- *21st International Conference on Conceptual Structures*, ICCS 2014, Iasi, Rumänien.
- *6th International Conference on Agents and Artificial Intelligence*, ICAART 2014, Angers, Frankreich.
- *23rd International Joint Conference on Artificial Intelligence*, IJCAI 2013, Peking, China.
- *27th Conference on Artificial Intelligence*, AAAI 2013 (AI & and the Web Track), Bellevue, Washington, USA.
- *12th International Conference on Logic Programming and Nonmonotonic Reasoning*, LPNMR 2013, Corunna, Spanien.
- *6th Conference on Artificial General Intelligence*, AGI 2013, Peking, China.
- *5th International Conference on Agents and Artificial Intelligence*, ICAART 2013, Barcelona, Katalonien/Spanien.
- *13th European Conference on Logics in Artificial Intelligence*, JELIA 2012, Toulouse, Frankreich.
- *13th International Conference on Principles of Knowledge Representation and Reasoning*, KR 2012, Rom, Italien.
- *20th European Conference on Artificial Intelligence*, ECAI 2012, Montpellier, Frankreich.
- *28th International Conference on Logic Programming*, ICLP 2012, Budapest, Ungarn.
- *7th International Symposium on Foundations of Information and Knowledge Systems*, FoIKS 2012, Kiel, Deutschland.
- *4th International Conference on Agents and Artificial Intelligence*, ICAART 2012, Vilamoura, Portugal.
- *22nd International Joint Conference on Artificial Intelligence*, IJCAI 2011, Barcelona, Katalonien/Spanien.
- *25th Conference on Artificial Intelligence*, AAAI 2011, San Francisco, California, USA.
- *27th International Conference on Logic Programming*, ICLP 2011, Lexington, Kentucky, USA.
- *11th International Conference on Logic Programming and Nonmonotonic Reasoning*, LPNMR 2011, Vancouver, BC, Kanada.
- *19th European Conference on Artificial Intelligence*, ECAI 2010, Lissabon, Portugal.
- *26th International Conference on Logic Programming*, ICLP 2010, Edinburgh, UK.

- *25th Italian Conference on Computational Logic*, CILC 2010, Rende, Italien.
- *30 Years of Nonmonotonic Logic – International Conference*, 2010, Lexington, Kentucky, USA.
- *21st International Joint Conference on Artificial Intelligence*, IJCAI 2009, Pasadena, Kalifornien, USA.
- *10th International Conference on Logic Programming and Nonmonotonic Reasoning*, LPNMR 2009, Potsdam, Deutschland.
- *23rd International Conference on Logic Programming*, ICLP 2007, Porto, Portugal.
- *17th European Conference on Artificial Intelligence*, ECAI 2006, Riva del Garda, Italien.
- *19th National Conference on Artificial Intelligence*, AAAI 2004, San Jose, Kalifornien, USA.

Mitgliedschaft in Programmkomiteés (Workshops)

- *26th RCRA International Workshop on Experimental Evaluation of Algorithms for solving problems with combinatorial explosion*, RCRA 2019, Rende, Italien.
- *1st Workshop on Epistemic Extensions of Logic Programming*, EELP 2019, Las Cruces, New Mexico, USA.
- *8th Workshop on Dynamics of Knowledge and Belief* and *7th Workshop KI & Kognition*, DKB/KIK 2019, Kassel, Deutschland.
- *12th International Workshop on Answer Set Programming and Other Computing Paradigms*, ASPOCP 2019, Philadelphia, USA.
- *1st International Workshop on Education in Artificial Intelligence K-12*, EduAI 2019, Macao, China.
- *17th International Workshop on Non-Monotonic Reasoning*, NMR 2018, Tempe, Arizona, USA.
- *25th RCRA International Workshop on Experimental Evaluation of Algorithms for solving problems with combinatorial explosion*, RCRA 2018, Oxford, UK..
- *11th International Workshop on Answer Set Programming and Other Computing Paradigms*, ASPOCP 2018, Oxford, UK.
- *Workshop on Logic and Search*, LaSh 2018, Oxford, UK.
- *2nd International Workshop on Systems and Algorithms for Formal Argumentation*, SAFA 2018, Warschau, Polen.
- *7th Workshop on Dynamics of Knowledge and Belief* and *6th Workshop KI & Kognition*, DKB/KIK 2018, Berlin, Deutschland.
- *13th International Symposium on Commonsense Reasoning*, Commonsense-2017, London, UK.
- *4th International Workshop on the Theory and Applications of Formal Argumentation*, TAFA 2017, Melbourne, Australien.

- *24th RCRA International Workshop on Experimental Evaluation of Algorithms for solving problems with combinatorial explosion*, RCRA 2017, Bari, Italien.
- *10th International Workshop on Answer Set Programming and Other Computing Paradigms*, ASPOCP 2017, Helsinki, Finland.
- *2nd International Workshop on User-Oriented Logic Paradigms*, IULP 2017, Helsinki, Finland.
- *5th International Workshop International Workshop on Graph Structures for Knowledge Representation and Reasoning*, GKR 2017, Melbourne, Australien.
- *3rd International Workshop on Argument for Agreement and Assurance*, AAA 2017, Tokyo, Japan.
- *Workshop on ASP technologIes for Querying large scale multisource heterogeneous web information 2017*, WASPIQ 2017, Arras, Frankreich.
- *Workshop on Logic and Search*, LaSh 2017, Melbourne, Australien.
- *LPNMR 2017 Doctoral Consortium*, Espoo, Finnland.
- *16th International Workshop on Non-Monotonic Reasoning*, NMR 2016, Kapstadt, Südafrika.
- *9th International Workshop on Answer Set Programming and Other Computing Paradigms*, ASPOCP 2016, New York, USA.
- *1st international Workshop on Argumentation in Logic Programming and Non-Monotonic Reasoning*, Arg-LPNMR 2016, New York, USA.
- *1st International Workshop on Systems and Algorithms for Formal Argumentation*, SAFA 2016, Potsdam, Deutschland.
- *1st International Workshop on Argumentation and Logic Programming*, ArgLP 2015, Cork, Irland.
- *4th International Workshop International Workshop on Graph Structures for Knowledge Representation and Reasoning*, GKR 2015, Buenos Aires, Argentinien.
- *1st International Workshop on Ontologies and Logic Programming for Query Answering*, ONTOLP 2015, Buenos Aires, Argentinien.
- *8th International Workshop on Answer Set Programming and Other Computing Paradigms*, ASPOCP 2015, Cork, Irland.
- *3rd International Workshop on the Theory and Applications of Formal Argumentation*, TAFA 2015, Buenos Aires, Argentinien.
- *2nd International Workshop on Argument for Agreement and Assurance*, AAA 2015, Keio University, Japan.
- *3rd Workshop on Grounding and Transformations for Theories with Variables*, GTTV 2015, Lexington, Kentucky, USA.

- *21st RCRA International Workshop on Experimental Evaluation of Algorithms for solving problems with combinatorial explosion*, RCRA 2014, Wien, Österreich.
- *15th International Workshop on Non-Monotonic Reasoning*, NMR 2014, Wien, Österreich.
- *7th International Workshop on Answer Set Programming and Other Computing Paradigms*, ASPOCP 2014, Wien, Österreich.
- *International Workshop: Artificial Intelligence meets Web of Knowledge* AIWK 2014, Prag, Tschechische Republik.
- *2nd Workshop on Grounding and Transformations for Theories with Variables*, GTTV 2013, Corunna, Spanien.
- *4th Workshop on Dynamics of Knowledge and Belief*, DKB 2013, Koblenz, Deutschland.
- *6th International Workshop on Answer Set Programming and Other Computing Paradigms*, ASPOCP 2013, Istanbul, Türkei.
- *2nd International Workshop on the Theory and Applications of Formal Argumentation*, TAFA 2013, Peking, China.
- *1st International Workshop on Argument for Agreement and Assurance*, AAA 2013, Kanagawa, Japan.
- *Datalog 2.0 Workshop 2012*, Wien, Österreich.
- *5th International Workshop on Answer Set Programming and Other Computing Paradigms*, ASPOCP 2012, Budapest, Ungarn.
- *1st International Workshop on AI on the Web*, Saarbrücken, Deutschland.
- *1st International Workshop on the Theory and Applications of Formal Argumentation*, TAFA 2011, Barcelona, Katalonien/Spanien.
- *1st International Workshop on Data, Logic and Inconsistency*, DALI 2011, Toulouse, Frankreich.
- *1st Workshop on Grounding and Transformations for Theories with Variables*, GTTV 2011, Vancouver, BC, Kanada.
- *Datalog 2.0 Workshop 2010*, Oxford, Großbritannien.
- *KR 2010 Doctoral Consortium*, 2010, Toronto, Kanada.
- *2nd International Workshop on Answer Set Programming and Other Computing Paradigms*, ASPOCP 2009, Pasadena, California, USA.
- *1st International Workshop on Answer Set Programming and Other Computing Paradigms*, ASPOCP 2008, Udine, Italien.
- *2nd International Workshop on Software Engineering for Answer Set Programming*, SEA 2009, Potsdam, Deutschland.

- *1st International Workshop on Software Engineering for Answer Set Programming*, SEA 2007, Tempe, Arizona, USA.
- *2nd International Workshop on Logic-Based Interpretation of Context: Modelling and Applications*, Log-IC 2011, Vancouver, BC, Kanada.
- *1st International Workshop on Logic-Based Interpretation of Context: Modelling and Applications*, Log-IC 2009, Potsdam, Deutschland.
- *Workshop on Answer Set Programming*, ASP 2005, Bath, Großbritannien.

Editorial Boards

- Argument & Computation.
- Journal of Artificial Intelligence Research (JAIR).
- Artificial Intelligence (AIJ.
- Area Editor: Newsletter of the Association for Logic Programming (2012–2013).

Gutachtertätigkeiten

- Zeitschriften:
  - Artificial Intelligence (AIJ).
  - ACM Transactions on Computational Logic.
  - Fundamenta Informaticae (FI).
  - Annals of Mathematics and Artificial Intelligence (AMAI).
  - Journal of Artificial Intelligence Research (JAIR).
  - Theory and Practice of Logic Programming (TPLP).
  - Journal of Logic and Computation (JLC).
  - The Knowledge Engineering Review (KER).
  - Journal of Applied Non-Classical Logics (JANCL).
  - Semantic Web Journal.
  - IfCoLog Journal of Logics and their Applications.
  - International Journal of Approximate Reasoning (IJAR).
  - AI Magazine.
  - AI Communications (AICOM).
  - Information Sciences.
  - Argument and Computation.
  - Journal of Computer Science and Technology (JCST).
  - Journal of Philosophical Logic.
  - Journal of Experimental & Theoretical Artificial Intelligence (JETAI).

  - Computación y Sistemas (Computing and Systems).
  - Electronic Notes in Theoretical Computer Science.

- Konferenzen:
  - International Joint Conference on Artificial Intelligence (IJCAI).
  - National Conference on Artificial Intelligence (AAAI).
  - European Conference on Artificial Intelligence (ECAI).
  - ACM Symposium on Principles of Database Systems (PODS).
  - IEEE Logic in Computer Science Conference (LICS).
  - International Conference on Automated Deduction (CADE).
  - International Conference on Principles of Knowledge Representation and Reasoning (KR).
  - International Conference on Logic Programming (ICLP).
  - International Conference on Extending Database Technology (EDBT).
  - European Semantic Web Conference (ESWC).
  - International Conference on Logic Programming and Non-monotonic Reasoning (LPNMR).
  - International Conference on Logic for Programming, Artificial Intelligence and Reasoning (LPAR).
  - European Conference on Logics in Artificial Intelligence (JELIA).
  - IEEE International Conference on Tools with Artificial Intelligence (ICTAI).
  - Computer Science Logic Conference (CSL).
  - International Conference on Automated Reasoning with Analytic Tableaux and Related Methods (TABLEAUX).
  - International Symposium on Foundations of Information and Knowledge Systems (FOIKS).
  - International Conference on Scalable Uncertainty Management (SUM).
  - International Conference on Theory and Applications of Satisfiability Testing (SAT).
  - European Starting AI Researcher Symposium (STAIRS).
  - International Workshop on Parameterized and Exact Computation (IWPEC).
  - Indian Conference on Logic and its Applications (ICLA).
  - Workshop on Logic, Language, Information and Computation (WoLLIC).
  - World Congress on Paraconsistency (WCP).

- sonstiges:
  - DFG: Deutsche Forschungsgemeinschaft.
  - GIF: German-Israeli Foundation for Scientific Research and Development.
  - NSERC: Natural Sciences and Engineering Research Council of Canada.
  - ANR: Agence nationale de la recherche - Frankreich.
  - FWO: The Research Foundation - Flandern.

- Mathematical Reviews.
- Cambridge University Press.
- National Agency for the Evaluation of Universities and Research Institutes (ANVUR); Ministero dell'Istruzione, dell'Universita e della Ricerca - Italien.

Laufende Projekte

- *Decodyn: Treating Hard Problems with Decomposition and Dynamic Programming*
  Technische Universität Wien;
  Projektleiter.
  Projektstart: Juni 2014.
  Finanzierung: *FWF – Fonds zur Förderung der wissenschaftlichen Forschung*
  START Programm (Projekt Nummer Y698).
  Projektmittel: EUR 1,200,000.

- *HYPAR - Hybrid Parameterized Problem Solving in Practice*
  Technische Universität Wien;
  Projektleiter.
  Projektstart: Oktober 2019.
  Finanzierung: *FWF – Fonds zur Förderung der wissenschaftlichen Forschung*
  (Projekt Nummer P32830).
  Projektmittel: EUR 350,000.

- *Revealing and Utilizing the Hidden Structure for Solving Hard Problems in AI*
  Technische Universität Wien;
  Projektleitung gemeinsam mit S. Szeider.
  Projektstart: März 2020.
  Finanzierung: *WWTF – Wiener Wissenschafts-, Forschungs- und Technologiefonds*
  (Projekt Nummer ICT19-065).
  Projektmittel: EUR 560,000.

- *EMBArg: Extending Methods in Belief Change to Advance Dynamics in Argumentation*
  Technische Universität Wien;
  Kollaborator; Projektleitung: J. Wallner, TU Wien.
  Projektstart: April 2017.
  Finanzierung: *FWF – Fonds zur Förderung der wissenschaftlichen Forschung*
  (Projekt Nummer P30168).
  Projektmittel: EUR 350,000.

Projekterfahrung

- *Advanced Tools for Graph-Based Formal Argumentation*
  Universität Leipzig / Technische Universität Wien;
  Projektleitung gemeinsam mit G. Brewka.
  Projektzeitraum: September 2016–November 2019.
  Finanzierung: *DFG – Deutsche Forschungsgemeinschaft* und
  FWF – Fonds zur Förderung der wissenschaftlichen Forschung
  (Projekt Nummer I2854).
  Projektmittel: EUR 450,000.

- *Fragment-Driven Belief Change*
  Technische Universität Wien;
  Projektleiter.
  Projektzeitraum: Mai 2013–Dezember 2017.
  Finanzierung: *FWF – Fonds zur Förderung der wissenschaftlichen Forschung*
  (Projekt Nummer P25521).
  Projektmittel: EUR 349,000.

- *Extending the Answer-Set Programming Paradigm to Decomposed Problem Solving*
  Technische Universität Wien;
  Projektleiter.
  Projektzeitraum: Juni 2013–Juni 2017.
  Finanzierung: *FWF – Fonds zur Förderung der wissenschaftlichen Forschung*
  (Projekt Nummer P25607).
  Projektmittel: EUR 280,000.

- *Abstract Dialectical Frameworks: Advanced Tools for Formal Argumentation*
  Universität Leipzig / Technische Universität Wien;
  Projektleitung gemeinsam mit G. Brewka.
  Projektzeitraum: Juni 2013–Dezember 2016.
  Finanzierung: *DFG – Deutsche Forschungsgemeinschaft* und
  FWF – Fonds zur Förderung der wissenschaftlichen Forschung
  (Projekt Nummer I1102).
  Projektmittel: EUR 470,000.

- *New Methods for Analyzing, Comparing, and Solving Argumentation Problems*
  Technische Universität Wien;
  Projektleiter.
  Projektzeitraum: April 2009–Oktober 2012.
  Finanzierung: *WWTF – Wiener Wissenschafts-, Forschungs- und Technologiefonds*
  (Projekt Nummer ICT 08-028).
  Projektmittel: EUR 280,000.

- *dynASP - Dynamic Programming and Answer Set Programming*
  Technische Universität Wien;
  Projektleiter.
  Projektzeitraum: März 2011–Juli 2014.
  Finanzierung: *TU Wien; Innovative Projekte*
  (Projekt Nummer 9006.09/008).

- *Complexity of Argumentation*
  Bilaterales Projekt Frankreich - Österreich; TU Wien / Univ. Marseille;
  Projektleitung gemeinsam mit N. Creignou.
  Projektzeitraum: Jänner 2011–Dezember 2012.
  Finanzierung: *Österreichischer Austauschdienst (ÖAD)*
  (Projekt Nummer Amadée FR 17/2011).

- *New Directions in Abstract Argumentation*
  Bilaterales Projekt Slowakei - Österreich; TU Wien / Comenius Univ. Bratislava;
  Projektleitung gemeinsam mit J. Siška.
  Projektzeitraum: September 2012–August 2013.
  Finanzierung: *Slovenská akademická informaná agentúra (SAIA)* und *ÖAD*
  (Projekt Nummer 2012-03-15-0001).

- *FAIR: Fixed-Parameter Tractability in Artificial Intelligence and Reasoning*
  Technische Universität Wien;
  Kollaborator; Projektleitung: R. Pichler, TU Wien.
  Projektzeitraum: Mai 2013–April 2018.
  Finanzierung: *FWF – Fonds zur Förderung der wissenschaftlichen Forschung*
  (Projekt Nummer P25518).
  Projektmittel: EUR 350,000.

- *SEE: SPARQL Evaluation and Extensions*
  Technische Universität Wien;
  Kollaborator; Projektleitung: R. Pichler, TU Wien.
  Projektzeitraum: September 2012–September 2016.
  Finanzierung: *WWTF – Wiener Wissenschafts-, Forschungs- und Technologiefonds*
  (Projekt Nummer ICT 12-015).
  Projektmittel: EUR 500,000.

- *Towards Tractable Belief Merging*
  Bilaterales Projekt Frankreich - Österreich; TU Wien / Univ. Marseille;
  Kollaborator; Projektleitung: R. Pichler, O. Papini.
  Projektzeitraum: Jänner 2013–Dezember 2014.
  Finanzierung: *Österreichischer Austauschdienst (ÖAD).*
  (Projekt Nummer Amadée FR 12/2013).

- *Turning Theoretical Tractability into Efficient Computation via Datalog*
  Technische Universität Wien;
  maßgeblich beteiligt bei der Anbahnung und Einreichung;
  Projektleitung: R. Pichler, TU Wien.
  Projektzeitraum: September 2008–August 2012.
  Finanzierung: *FWF – Fonds zur Förderung der wissenschaftlichen Forschung*
  (Projekt Nummer P20704).

- *Service-Oriented Data Integration*
  Technische Universität Wien;
  Kollaborator; Projektleitung: R. Pichler, TU Wien.
  Projektzeitraum: April 2009–September 2012.
  Finanzierung: *WWTF – Wiener Wissenschafts-, Forschungs- und Technologiefonds*
  (Projekt Nummer ICT 080-032).

- *Formal Methods for Comparing and Optimizing Nonmonotonic Logic Programs*
  Technische Universität Wien;
  maßgeblich beteiligt bei der Anbahnung und Einreichung;
  angestellt als hauptverantwortlicher Projektmitarbeiter, April 2005-Mai 2007.
  Projektleitung: H. Tompits, TU Wien.
  Finanzierung: *FWF – Fonds zur Förderung der wissenschaftlichen Forschung*
  (Projekt Nummer P18019-O4).

- *Answer Set Programming for Reactive Planning and Execution Monitoring*
  Technische Universität Wien;
  angestellt als Projektmitarbeiter, Februar 2005–März 2005.
  Projektleitung: T. Eiter, TU Wien.
  Finanzierung: *FWF – Fonds zur Förderung der wissenschaftlichen Forschung*
  (Projekt Nummer P16536-N04).

- *INFOMIX*
  TU Wien, Universität Calabria, Universität Rom “La Sapienza” (beide Italien),
  Rodan Systems (Polen);
  angestellt als Projektmitarbeiter, November 2004–Jänner 2005.
  Finanzierung: *Europäische Kommission*;
  (Projekt Nummer: IST-2001-33570).

- *QUIP: A Computational Framework for Advanced Reasoning Tasks*
  Technische Universität Wien;
  angestellt als hauptverantwortlicher Projektmitarbeiter, Juli 2001–Oktober 2004;
  Projektleitung: U. Egly, TU Wien.
  Finanzierung: *FWF – Fonds zur Förderung der wissenschaftlichen Forschung*
  (Projekt Nummer P15068-INF).

- *Optimizing Logic Programs under the Answer-Set Programming Paradigm*
  TU Wien / Comenius-Universität Bratislava, November 2003–Dezember 2004;
  zuständig für die Einreichung und Abwicklung seitens der TU Wien.
  Projektleitung: T. Eiter, TU Wien; J. Sefranek, Comenius-Universität Bratislava.
  Bilaterales Projekt Slowakei - Österreich; *Slovenská akademická informaná agentúra (SAIA)* und *Österreichischer Austauschdienst (ÖAD)*

- *WASP: Working Group on Answer Set Programming*
  EU-weit, September 2002–September 2005;
  zuständig für die Koordination des WASP-Knotens TU Wien.
  Projektleitung: A. Provetti, Universität Messina, Italien.
  Finanzierung: *Europäische Kommission; FET ("Future Emerging Technologies") - Initiative*
  (Projekt Nummer: IST-FET-2001-37004).

Auslandsaufenthalte

- Oktober 2013–Februar 2014. Vertretungsprofessur. Universität Leipzig, Deutschland.
- Oktober–Dezember 2009. Forschungsaufenthalt bei Prof. Gerhard Brewka. Universität Leipzig, Deutschland.

Eingeladene Vorträge + Panels

- *Computational Argumentation - Formal Models and Complexity Results*, 35th Italian Conference on Computational Logic (CILC 2020), Rende, Italien, Oktober 2020.
- *Symbolische KI - Good Old Fashioned oder Haute Couture*, AI / IMAGINE19, Wien, Österreich, Oktober 2019.
- *Preference Orders on Families of Sets – Complexity and Characterization Results*, Workshop on Individual Preferences and Social Choice (IPASC), Graz, Österreich, April 2019.
- *Symbolische KI - Good Old Fashioned oder Haute Couture*, OCG Jahresopening 2019, Wien, Österreich, Jänner 2019.
- *Schachgroßmeister, Katzenbilder, Kriminalgeschichten – zum aktuellen Stand der Forschung über Künstliche Intelligenz*, Club Dornbach Neuwaldegg, Wien, Österreich, November 2018.
- *Solving (Q)SAT Problems via Tree Decomposition and Dynamic Programming.* JIAF/JFPC 2018, Amiens, Frankreich, Juni 2018.
- *Big Data – Little Intelligence?* Diskussionsverantaltung der Waldviertelakademie "Sie wissen alles. Wie Big Data und Künstliche Intelligenz unser Leben verändern", Horn, Österreich, Mai 2018.
- *Expressibility of Argumentation Frameworks and its Relation to the Dynamics of Argumentation.* AMANDE Workshop, Toulouse, Frankreich, April 2018.

- *AI Technology – New Trends, Old Fears?*, Hypernormal Hybrids, Wien, Österreich, November 2017.
- *Towards Preprocessing for Abstract Argumentation Frameworks*. 4th International Workshop on Defeasible and Ampliative Reasoning (DARe 2017), Espoo, Finnland, Juli 2017.
- *Panel Discussion* / 1st International Workshop on Practical Aspects of Answer Set Programming (PAoASP 2017), Espoo, Finnland, Juli 2017.
- *Towards Advanced Systems for Abstract Argumentation*. 1st International Workshop on Systems and Algorithms for Formal Argumentation (SAFA 2016), Potsdam, Deutschland, September 2016.
- *Dynamic Programming on Tree Decompositions in Practice*. 8th European Starting AI Researcher Symposium (STAIRS 2016), Den Haag, Niederlande, August 2016.
- *Dynamic Programming on Tree Decompositions in Practice. Some Lessons Learned*. 17th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC 2015), Timisoara, Rumänien, September 2015.
- *On Rejected Arguments and Implicit Conflicts: The Hidden Power of Argumentation Semantics*. Workshop on Change in Argumentation (WCiA@CRIL), Lens, Frankreich, September 2015.
- *Comparing the Power of Different Semantics for Abstract Argumentation*. Workshop on the Dynamics of Argumentation, Rules and Conditionals (DARC 2014), Luxemburg, Oktober 2014.
- *Abstract Argumentation – All Problems Solved?* Frontiers of Artificial Intelligence / European Conference on Artificial Intelligence (ECAI 2014). Prag, Tschechische Republik, August 2014.
- *ASP-based Problem Solving on Tree Decompositions*. Workshop on Logic and Search – LaSh 2014. Wien, Österreich, Juli 2014.
- *An Introduction to Abstract Argumentation*. ProvenanceWeek 2014 / 6th USENIX Workshop on the Theory and Practice of Provenance. Köln, Deutschland, Juni 2014.
- *Characteristics of Multiple Viewpoints in Abstract Argumentation*. Forschungsseminar des DFG Graduiertenkollegs "Quantitative Logics and Automata". Univ. Leipzig, Jänner 2014.
- *140 Jahre HTBLuVA Wr. Neustadt*. Diskussionsrunde erfolgreicher AbsolventInnen im Rahmen des Festakts. September 2013.
- *Implementation of Argumentation*. ACAI (Advanced Courses in AI) Summer School 2013. King's College London, Juli 2013.
- *On the Limits of Expressiveness in Abstract Argumentation Semantics*. Dagstuhl Seminar Nr. 13231 "Belief Change and Argumentation in Multi-Agent Scenarios", Dagstuhl, Juni 2013.
- *Characteristics of Argumentation Semantics*. "Logique á Marseille – Camilla Schwind á l'honneur". Marseille, Dezember 2012.
- *Complexity-Sensitive Decision Procedures for Abstract Argumentation*. "International Workshop on Formal, Experimental, and Informal Approaches to Argumentation" (FEI2A). Toulouse, Mai 2012.

- *Belief Revision within Fragments of Propositional Logic*. Madeira Workshop on "Belief Revision and Argumentation". Madeira, Jänner 2012.
- *Panel Discussion* / 1st International Workshop on the Theory and Applications of Formal Argumentation (TAFA'11). Barcelona, Juli 2011.
- *Computational Aspects of Formal Argumentation*. TU Dresden. Berufungsvortrag. Dresden, März 2011.
- *Computational Aspects of Abstract Argumentation*. Helsinki Graduate School in Computer Science and Engineering. Invited Lecture. Helsinki, September 2010.
- *Strong Equivalence in Argumentation (and other KR-Formalisms)*. 11th International Workshop on Computational Logic in Multi-Agent Systems. Invited Talk. Lissabon, August 2010.
- *Deciding Equivalence between Extended Datalog Programs. A Brief Survey*. Datalog 2.0 Workshop, Oxford, U.K., März 2010.
- *Belief Revision with Bounded Treewidth*. Dagstuhl Seminar Nr. 09351 "Information Processing, Rational Belief Change and Social Interaction", Dagstuhl, August 2009.
- *"In der Informatik geht es genau so wenig um Computer, wie in der Astronomie um Teleskope"*. Eingeladener Vortrag beim Fest "20 Jahre EDVO-Abteilung in der HTL Wr. Neustadt", April 2008.
- *On Solution Correspondences in Answer Set Programming: A General Framework (and Characterizations for the Ground Case)*. Dagstuhl Seminar Nr. 05171 "Nonmonotonic Reasoning, Answer Set Programming and Constraints", Dagstuhl, April 2005.
- *Paraconsistent Reasoning via QBFs*. Dagstuhl Seminar Nr. 03241 "Inconsistency Tolerance", Dagstuhl, Mai 2003.
- *On Implementing Nested Logic Programs*. Dagstuhl Seminar Nr. 02381 "Nonmonotonic Reasoning, Answer Set Programming and Constraints", Dagstuhl, September 2002.

Weitere Vorträge

- *Comparing the Power of Different Semantics for Abstract Argumentation*. Univ. Düsseldorf, April 2016.
- *D-FLAT: Declarative Problem Solving using Tree Decompositions and Answer-Set Programming*. Informatikkolloquium Universität Innsbruck, Mai 2014.
- *ASP-based Problem Solving on Tree Decompositions*. Seminarvortrag. RWTH Aachen, Februar 2014.
- *Characteristics of Multiple Viewpoints in Abstract Argumentation*. Seminarvortrag. TU Dresden, Jänner 2014.
- *Strong Equivalence in Argumentation*. Seminarvortrag. Universität Leipzig, Juni 2011.

- *The WWTF Project "New Methods for Analyzing, Comparing, and Solving Argumentation Problems"; Progress Report and Lessons Learned*. "2nd Argumentation Christmas Meeting", TU Wien, Dezember 2010.
- *Characterizing Strong Equivalence for Argumentation Frameworks*. Workshop on Hybrid Knowledge Representation and Reasoning (HKRR 2010), Hotel Kaiserhof Wien, März 2010.
- *Characterizing Strong Equivalence for Argumentation Frameworks*. "Argumentation Christmas Meeting", Universität Leipzig, Dezember 2009.
- *Hyperequivalence in Logic Programming*. Seminarvortrag, Digital Enterprise Research Institute (DERI), National University of Ireland, Galway, Irland, August 2008.
- *Strong Equivalence and Preference Handling in Answer-Set Programming*. Seminarvortrag, Universität Potsdam, Institut für Informatik, Dezember 2007.
- *Complexity of Rule Redundancy in Non-Ground Answer-Set Programming over Finite Domains*. Seminarvortrag, Dept of Informatics, Statistics and Telematics, Universidad Rey Juan Carlos, Móstoles, Spanien. Februar 2007.
- *Replacements in Non-Ground Answer-Set Programming*. Seminarvortrag, Comenius-Universität Bratislava. Oktober 2006.
- *Replacements in Non-Ground Answer-Set Programming*. Seminarvortrag, Helsinki University of Technology, Laboratory for Theoretical Computer Science, September 2006.
- *Complexity Results for Checking Equivalence of Stratified Logic Programs*. Seminarvortrag, Universität Potsdam, Institut für Informatik, Juli 2006.
- *Survey of Equivalences in ASP*. Seminarvortrag, Universität Potsdam, Institut für Informatik, November 2005.
- *Solution Correspondences in Answer-Set Programming: An Overview*. Seminarvortrag, Dept of Informatics, Statistics and Telematics, Universidad Rey Juan Carlos, Móstoles, Spanien. Oktober 2005.
- *Node Presentation: TU Wien*. Workshop ASP-05 – Meeting of the European Working Group on Answer Set Programming (WASP). University of Bath, UK, Juli 2005.
- *Solution Correspondences in Answer-Set Programming: An Overview*. Seminarvortrag, Universita della Calabria, Dipartimento di Matematica, Juni 2005.
- *Complexity of Equivalence between Propositional Logic Programs*. Seminarvortrag, Comenius-Universität Bratislava. November 2004.
- *Relativized Notions of Equivalence in ASP*. Seminarvortrag, Universität Potsdam, Institut für Informatik, August 2004.
- *Elimination of Disjunction in Stable Logic Programming*. Seminarvortrag, Comenius-Universität Bratislava. Juni 2004.
- *On Simplifying and Rewriting Logic Programs: Characterisations and Complexity*. Seminarvortrag, Comenius-Universität Bratislava. Jänner 2004.

- *Node Presentation: TU Wien*. Workshop ASP-03 – Meeting of the European Working Group on Answer Set Programming (WASP). Messina, Italien, September 2003.
- *Deciding Strong Equivalence between Logic Programs*. Seminarvortrag, Universität Potsdam, Institut für Informatik, Dezember 2002.
- *QBFs and their Application in Belief Revision*. Seminarvortrag, Universität Potsdam, Institut für Informatik, August 2001.

Bisherige Lehrtätigkeit

Wenn nicht anders angegeben, beziehen sich folgende Lehrveranstaltungen auf die TU Wien.

- Logik (VO+UE, 2.0h+2.0h), WS13/14, Universität Leipzig
  (hauptverantwortlich).
- Semistrukturierte Daten (VL, 2.0h, SS), SS08–SS14,
  (hauptverantwortlich).
- Formale Methoden der Informatik (VU 4.0h, WS+SS), seit WS14/15,
  (gemeinsam mit U. Egly, G. Salzer, L. Kovacs, H. Veith, G. Weissenbacher, F. Zuleger).
- Deduktive Datenbanken (VO 2.0h, WS), WS06/07–WS14/15,
  (hauptverantwortlich).
- Preferences in Artificial Intelligence (VU 2.0h, SS), SS15–SS17, SS19
  (gemeinsam mit M. Lackner, A. Haret).
- Abstract Argumentation (VU 3.0h, WS), SS11 und seit WS11/12,
  (gemeinsam mit U. Egly, W. Dvořák, S. Gaggl, J. Wallner, T. Linsbichler).
- Introduction to Logical Methods (VO 2.0h, WS), seit WS18
  (Ringvorlesung).
- Wissenschaftliches Arbeiten (SE 2.0h, SS), seit SS13,
  (gemeinsam mit R. Pichler).
- Grundlagen methodischen Arbeitens (SE 2.0h, SS), SS10 und SS11,
  (hauptverantwortlich).
- Complexity Analysis in Knowledge Representation, WS13, Comenius Universität Bratislava,
  (hauptverantwortlich).
- Wissensrepräsentation (VO 2.0h), WS09/10 und WS13/14, Universität Leipzig,
  (gemeinsam mit G. Brewka).
- Seminar “Formale Modelle des Argumentierens” (SE 2.0h), WS09/10, Universität Leipzig,
  (gemeinsam mit G. Brewka).
- Seminar “Intelligente Systems” (SE 2.0h), WS13/14, Universität Leipzig,
  (gemeinsam mit G. Brewka).
- AK der AI 3 - Deduktive Datenbanken (VU 2.0h, WS), im WS05/06,
  (hauptverantwortlich).
- Logik für Wissensrepräsentation (VO 2.0h, SS), SS05–SS07,
  (gemeinsam mit H. Tompits).
- Einführung in Wissensbasierte Systeme (LU 1.0h, SS) im SS03,
  (gemeinsam mit M. Fink).
- Seminar (mit Bachelorarbeit) (SE 4.0h, WS+SS), seit WS08/09.

- Seminar aus Logik (SE 2.0h, SS), seit SS08.
- Seminar aus Artificial Intelligence (SE 2.0h, SS) im SS03 und seit SS10.
- diverse Praktika.

Studienassistent (Tutor)

- Logikorientierte Programmiersprachen (LU 2.0h, WS), WS01/02–WS02/03.
- Datenmodellierung (VU 2.0h, WS+SS) im SS01.
- Systemprogrammierung (LU 2.0h, WS+SS), WS97/98–SS00.

Betreute Diplom-/Magisterarbeiten

- Matthias König. *Graph-classes of Argumentation Frameworks with Collective Attacks - Properties and Complexity Results*, 2020. (Hauptbetreuer).
- Michael Bernreiter. *A General Framework for Choice Logics*, 2020.
- Isabella Kammerhofer. *Disjunctive Answer Set Programming with Backjumping and Learning*, 2020. (Hauptbetreuer).
- Benjamin Krenn. *Algorithms for Implicit Delegation to Predict Preferences*, 2020.
- Alexander Gressler. *Argumentation Frameworks with Claims and Collective Attacks – Complexity Results and Answer-Set Programming Encodings*, 2019. (Hauptbetreuer).
- André Schidler. *A Solver for the Steiner Tree Problem with few Terminals*, 2018. (Hauptbetreuer).
- Patrick Bellositz. *Advancements in Equivalence Checking for Abstract Argumentation Frameworks*, 2018.
- Markus Zisser. *Solving #SAT on the GPU with Dynamic Programming and OpenCL*, 2018. (Hauptbetreuer).
- Atefeh Keshaverzi. *Investigating Subclasses of Abstract Dialectical Frameworks*, 2017. (Hauptbetreuer).
  Ausgezeichnet mit dem *"Best Thesis Award of the EMCL"*.
- Georg Heißenberger. *A System For Advanced Graphical Argumentation Formalisms*, 2016. (Hauptbetreuer).
- Thomas Ambroz und Andreas Jusits. *Designing a System for Experimental Analysis and Visualization of Dynamic Programming on Tree Decompositions*, 2016. (Hauptbetreuer).
- Markus Hecher. *Optimizing Second-Level Dynamic Programming Algorithms*, 2015. (Hauptbetreuer).
  Ausgezeichnet mit dem *"Würdigungspreis"* der Stadt Wien.
- Alina Aleksandrova. *Engineering Data-Aware Commitment-Based Multiagent Systems*, 2015.
- Marius Moldovan. *Implementing Variations of the Traveling Salesperson Problem in a Declarative Dynamic Programming Environment*, 2015. (Hauptbetreuer).
- Adrian Haret. *Merging in the Horn fragment*, 2014. (Hauptbetreuer).
- Martin Diller. *Solving Reasoning Problems on Abstract Dialectical Frameworks via Quantified Boolean Formulas*, 2014. (Hauptbetreuer).
- Thomas Linsbichler. *On the Limits of Expressiveness in Abstract Argumentation Semantics: Realizability and Signatures*, 2013. (Hauptbetreuer).
- Michael Abseher. *Solving Shift Design Problems with Answer Set Programming*, 2013. (Hauptbetreuer).

- Christian Weichselbaum. *Abstract Argumentation and Answer-Set Programming – Modelling the Resolution-Based Grounded Semantics*, 2013. (Hauptbetreuer).
- Christof Spanring (Universität Wien). *Intertranslatability Results for Abstract Argumentation Semantics*, 2013. (Hauptbetreuer).
- Bernhard Bliem. *Decompose, Guess & Check – Declarative Problem Solving on Tree Decompositions*, 2012. (Hauptbetreuer).
  Ausgezeichnet mit dem *"Distinguished Young Alumnus"-Award* der Fakultät für Informatik der TU Wien und dem *Diplomarbeitspreis der Stadt Wien*.
- Stefan Ellmauthaler. *Abstract Dialectical Frameworks: Properties, Complexity, and Implementation*, 2012. (Hauptbetreuer).
- Günther Charwat. *Tree-Decomposition based Algorithms for Abstract Argumentation Frameworks*, 2012. (Hauptbetreuer).
  Ausgezeichnet mit dem *"ÖGAI"-Preis* für die beste Diplomarbeit / Masterarbeit auf dem Gebiet der Artificial Intelligence 2007–2012.
- Michael Morak. *dynASP - A Dynamic Programming-based Answer-Set Programming Solver*, 2011. (Hauptbetreuer).
  Ausgezeichnet mit dem *"Würdigungspreis"* des Ministeriums für Wissenschaft und Forschung und dem *OCG-Förderpreis* für hervorragende Diplom- und Magisterarbeiten aus dem Bereich der Informatik.
- Andreas Pfandler. *Decentralized Diagnosis: Complexity Analysis and Datalog Encodings*, 2009.
- Anna Roubickova. *Complexity of Argumentation*, 2009.
- Wolfgang Dvořák. *Alternation as a Programming Paradigm*, 2009.
- Sarah Alice Gaggl. *Solving Argumentation Frameworks using Answer Set Programming*, 2009.
- Stefan Rümmele. *Efficient Counting with Bounded Treewidth using Datalog*, 2008.
  Ausgezeichnet mit dem *"Distinguished Young Alumnus"-Award* der Fakultät für Informatik der TU Wien.
- Jörg Pührer. *On Debugging of Propositional Answer-Set Programs*, 2007.
- Andreas Heindl. *On Replacements in Answer-Set Programming based On Partial Evaluation*, 2007.
- Patrick Traxler. *Techniques for Simplifying Disjunctive Datalog Programs with Negation*, 2006.
- Michael Zolda. *Comparing Different Prenexing Strategies for Quantified Boolean Formulas*, 2004.

Betreute Dissertationen

- Jan Maly. *Ranking Sets of Objects. How to Deal with Impossibility Results*, 2020. (Hauptbetreuer).
- Adrian Haret. *Choosing What to Believe – Belief Change Through the Lens of Rational Choice*, 2020. (Hauptbetreuer).
  (Adrian Haret ist gegenwärtig als Post-doc an der Univ. Amsterdam angestellt.
- Martin Diller. *Realising Argumentation using Answer Set Programming and Quantified Boolean Formulas*, 2019. (Hauptbetreuer).
  (Martin Diller ist gegenwärtig als Post-doc an der TU Dresden angestellt.)
- Harald Beck. *Expressive Rule-based Stream Reasoning*, 2018.
- Bernhard Bliem. *Treewidth in Non-Ground Answer Set Solving and Alliance Problems in Graphs*, 2017. (Hauptbetreuer).
  ausgewählt für den Band "Ausgezeichnete Informatikdissertationen 2017" der Gesellschaft für Informatik (GI).
- Günther Charwat. *BDD-based Dynamic Programming on Tree Decompositions – Towards an Alternative Approach for Efficient QBF Solving*, 2017. (Hauptbetreuer).
- Sylwia Polberg. *Developing the Abstract Dialectical Framework*, 2017. (Hauptbetreuer).
  (Sylwia Polberg ist gegenwärtig als Lecturer an der Cardiff University tätig.)
- Thomas Linsbichler. *Advances in Abstract Argumentation – Expressiveness and Dynamics*, 2017. (Hauptbetreuer).
  ausgezeichnet mit einer "honourable mention" des EURAI 2017 Artificial Intelligence Dissertation Awards.
- Michael Abseher. *Tailored Tree Decompositions for Efficient Problem Solving*, 2017. (Hauptbetreuer).
- Christoph Redl. *Answer Set Programming with External Sources: Algorithms and Efficient Evaluation*, 2015.
  (Christoph Redl ist gegenwärtig als Senior Lecturer and Researcher an der Fachhochschule Technikum Wien tätig.)
- Friedrich Slivovksy. *Structure in #SAT and QBF*, 2015.
  (Friedrich Slivovksy ist gegenwärtig als Post-doc am Institut für Logic and Computation, TU Wien, angestellt.)
- Johannes Wallner. *Complexity Results and Algorithms for Argumentation – Dung's Frameworks and Beyond*, 2014. (Hauptbetreuer).
  (Johannes Wallner ist nach einem eineinhalbjährigen Aufenthalt an der University of Helsinki gegenwärtig am Institut für Logic and Computation, TU Wien, tätig.)
- Sarah Alice Gaggl. *A Comprehensive Analysis of the cf2 Argumentation Semantics: From Characterization to Implementation*, 2013. (Hauptbetreuer).
  (Sarah Alice Gaggl ist seit April 2013 als Post-doc in der Forschungsgruppe "Computational Logic" an der Technischen Universität Dresden tätig.)

- Stefan Rümmele. *The Parameterized Complexity of Nonmonotonic Reasoning*, 2012.
- Wolfgang Dvořák. *Computational Aspects of Abstract Argumentation*, 2012. (Hauptbetreuer). ausgewählt für den Band "Ausgezeichnete Informatikdissertationen 2012" der Gesellschaft für Informatik (GI). (Wolfgang Dvořák war von Mai 2012 bis November 2016 als Post-doc in der Forschungsgruppe "Theory and Applications of Algorithms" an der Universität Wien tätig und ist gegenwärtig als Post-doc am Institut für Logic and Computation, TU Wien, angestellt.)
- Michael Jakl. *Fixed Parameter Algorithms for Answer Set Programming*, 2010.
- Martina Seidl. *A Solver for Quantified Boolean Formulas in Negation Normal Form*, 2007. ausgewählt für den Band "Ausgezeichnete Informatikdissertationen 2007" der Gesellschaft für Informatik (GI). (Martina Seidl ist seit September 2010 am Institut für Formale Modelle und Verifikation an der Johannes Kepler Universität in Linz tätig.)

Wolfgang Dvořák und Sarah Alice Gaggl gewannen den *Best-Student Paper Prize* bei NMR'12 für die Arbeit "Incorporating Stage Semantics in the SCC-recursive Schema for Argumentation Semantics". Thomas Linsbichler gewann bei der COMMA'14 den *Best Student Paper Award* für seinen Beitrag "Splitting Abstract Dialectical Frameworks". Sylwia Polberg gewann den *Best Talk Award* beim 7th European Starting AI Researcher Symposium (STAIRS-2014) für ihren Vortrag über "Extension-based Semantics of Abstract Dialectical Frameworks". Bernhard Bliem wurde bei der ICLP'17 mit der "*Best ICLP Doctoral Program Presentation*" ausgezeichnet.

Gutachter/Kommissionsmitglied (Extern) für Dissertationen

- Thomas Krennwaller, *Modular Nonmonotonic Logic Programs*, TU Wien. Oktober 2018.
- Martin Baláž, *Conflict Solving in Nonmonotonic Knowledge Bases*, Comenius University, Bratislava. August 2017.
- Gonca Güllü, *Bipolar Social Argumentation Frameworks*, Universidade Nova de Lisboa, April 2016.
- Jean-Guy Mailly, *Dynamics of Argumentation Frameworks*. Université d' Artois, Lens. September 2015.
- Jozef Frtús, *Structured Argumentation: From Properties to Distribution*. Comenius University, Bratislava. September 2014.
- Federico Cerutti, *Argumentation-Based Practical Reasoning: New Models and Algorithms*. Università degli Studi di Brescia. April 2012.
- Marco Sirianni, *Parallel Evaluation of ASP Programs: Techniques and Implementation*. Università degli Studi della Calabria, Rende. Februar 2012.
- Roberto Confalonieri, *The Role of Preferences in Logic Programming: Nonmonotonic Reasoning, User Preferences, Decision under Uncertainty*. Universitat Politècnica de Catalunya, Barcelona. Dezember 2011.
- Jozef Siška. *Logic Programming in Computer Games*. Comenius University, Bratislava, November 2010.

Doktoratskollegs

- Doktoratskolleg “Logical Methods in Computer Science” (FWF W1255) 2nd period / Faculty.
- Doktoratskolleg “Logical Methods in Computer Science” (FWF W1255) 1st period / Associated Faculty.
- Koordinator für das Doktoratskolleg “Mathematical Logic in Computer Science” an der TU Wien (Herbst 2010–Frühjahr 2015).

Sonstige universitäre Aktivitäten

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- Vorsitzender Berufungskommission “Nonclassical Logics in Computer Science” (TU Wien, 2017).
- Ersatzmitglied der Berufungskommission “Machine Learning” (TU Wien, 2018).
- Ersatzmitglied der Berufungskommission “Computer-Aided Verification” (TU Wien, 2018).
- Ersatzmitglied der Berufungskommission “Computer-Aided Verification” (TU Wien, 2008).
- Gutachter Habilitation R. Ganian (TU Wien, 2018), M. Homola (Univ. Bratislava, 2018).
- (Ersatz)Mitglied in Habilitationskommissionen (TU Wien: A. Polleres, 2010; L. Kovacs, 2012, I. Brandic 2013; I. Viola, 2016; S. Ordyniak, 2017; E. Bartocci 2019, I. Konnov 2019).
- Mitglied im Fakultätsrat der Fakultät für Informatik (TU Wien, 2008–2015 (Mittelbau), 2019–2020 (ProfessorInnenkurie)).
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- Mitglied der Studienkommission Informatik (TU Wien, 2018–2019).

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- Adrian Haret. Finanzierung: FWF P25521 / FWF P30168.
- Markus Hecher. Finanzierung: FWF P25607 / FWF Y698.
- Jan Maly. Finanzierung: FWF P25521.
- Jörg Pührer (Post-Doc). Finanzierung: FWF I2854.
- Anna Rapberger. Finanzierung: FWF 1255.
- Christof Spanring (Post-Doc). Finanzierung: FWF I2854 / FWF I1102.

Frühere MitarbeiterInnen

Michael Abseher, Gerald Berger, Bernhard Bliem, Günther Charwat, Martin Diller, Frederico Dusberger, Wolfgang Dvořák, Johannes Fichte, Sarah Alice Gaggl, Martin Kronegger, Martin Lackner, Thomas Linsbichler, Jean-Guy Mailly, Marius Moldovan, Michael Morak, Sylwia Polberg, Stefan Rümmele, Emanuel Sallinger, Johannes Wallner, Markus Zisser.

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