

Curriculum Vitae

1 Personal Data

Last, First and Middle Names: Areces, Carlos Eduardo.

Date of Birth: May 21st, 1971.

Academic Postal Address:

Facultad de Matemática, Astronomía y Física (FaMAF)

Universidad Nacional de Córdoba

Medina Allende s/n, Ciudad Universitaria

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Marital Status: Married, one daughter.

Country of Birth: Argentina.

Citizen of: Argentina.

2 Degrees Obtained

1997-2000 PhD. at the University of Amsterdam, The Netherlands. Promotor Prof. Dr. Johan van Benthem. Supervisor Dr. Maarten de Rijke.

1995-1996 Degree of *Licenciado en Ciencias de la Computación* (this degree is considered equivalent to a Master in Computer Science degree), at the Universidad de Buenos Aires, Argentina. Overall mark: 9.40 over 10. Topic of the thesis: Modal Logic as a Software Engineering Tool. Dissertation mark: 10 over 10.

1990-1994 Degree of *Analista Universitario de Computación* at the Universidad de Buenos Aires, Argentina.

3 Areas of Research

In Logic: Computational Logic. Automated Deduction. Model Theory. Algorithmic Complexity. Modal Logic. Description Logics. Knowledge Representation. Artificial Intelligence. Planning.

In Computational Linguistics: Natural Language Generation. Generation of Referring Expressions. Dialog Systems. Knowledge Representation for Natural Language Processing.

4 Research Experience

2017 – now Researcher (category: “Principal”), at the Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Argentina.

2016 – now Full Professor at the Facultad de Matemática, Astronomía, Física y Computación, Universidad Nacional de Córdoba, Argentina.

2013 – now Category II in the Programa de Incentivos a Docentes Investigadores de la Presidencia de la Nación.

2010 – now Director of the Research Group “Logics, Interaction and Intelligent Systems (LIIS)” at the Facultad de Matemática, Astronomía, Física y Computación, Universidad Nacional de Córdoba, Argentina.

2018 Tinker Visiting Professor, Stanford University.

- 2011 – 2017** Researcher (category: “Independiente”), at the Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Argentina.
- 2010 – 2016** Associate Professor at the Facultad de Matemática, Astronomía, Física y Computación, Universidad Nacional de Córdoba, Argentina.
- 2003 – 2010** INRIA Researcher (CR1) at LORIA, Laboratoire Lorrain de Recherche en Informatique et ses Applications. This is a permanent position, now on hold.
- 2002 – 2003** Postdoc at the Langue et Dialogue Team (LED), INRIA Lorraine. Member of the “GeNI” Project.
Project leader: Dr. Claire Gardent
- 2001 – 2002** Postdoc at the Language and Inference Technology Group, University of Amsterdam.
Project leader: Dr. Maarten de Rijke
- 1998 – 2000** Member of the Logic track of the Amsterdam Computational Logic Group at the WINS Department, University of Amsterdam.
Director of the group: Dr. Maarten de Rijke
- 1994 – 1996** Member of the research group on Formal Methods at the Department of Computer Science, Universidad de Buenos Aires.
Directors of the group: Dr. Daniel Yankelevich and Dr. Miguel Felder.
- 1993 – 1996** Member of a multi-disciplinary program composed by researchers from the Computer Science Department, the Philosophy Department, and the Law Department at the Universidad de Buenos Aires.
Directors of the group: Prof. Carlos Alchourrón and Prof. Gladys Palau.

5 Participation in National and International Projects

- 2020 – 2021** Director of the Project, *Dynamics Logics: Model Theory, Proof Theory and Computational Complexity (DyLo-MPC)*, STIC-Amsud nro. 20-STIC-03, Argentina-Brazil-Francia. 40K euros.
- 2018 – 2021** Director of the Project, *Lenguajes ‘data-aware’ para bases de datos sobre grafos*, SeCyT - Universidad Nacional de Córdoba. 155K pesos.
- 2019 – 2021** Director of the Project, *Lenguajes de consulta ‘data-aware’ para bases de datos sobre grafos*, PID-2017-046, Ministerio de Ciencia y Tecnología de la Provincia de Córdoba. Argentina. 80K pesos.
- 2018 – 2020** Member of the Project, *Lenguajes ‘data-aware’ sobre bases de datos estructuradas en grafos*, PICT-MINCYT-2016-0215 (RAICES), ANPCyT, Argentina. 960K pesos.
- 2017 – 2018** Co-director of the Project, *Optimización de Dominios de Planning*, Programa de Cooperación Científico-Tecnológica entre el Ministerio de Ciencia, Tecnología e Innovación Productiva (MINCYT) and the Deutscher Akademischer Austausch Dienst (DAAD). 220K pesos.
- 2017 – 2017** Co-director of the Project, *Foundations of Graph Structured Data (FOG)*, STIC-Amsud, Argentina-Chile-Francia. 26K euros.
- 2016 – 2017** Co-director of the Project, *Teoría de Tipos Dependientes: meta-teoría y aplicaciones* del Programa de Cooperación Bilateral Nivel I CONICET (Argentina) / ANII (Uruguay). 100K pesos.

- 2016 – 2017** Co-director of the Project, *Desarrollo de Material Didáctico, Segundo Ciclo de Primaria*, PROGRAM.AR, Fundación Sadosky y MINCYT. 779K pesos.
- 2015 – 2018** Member of the Project, *Contenido inteligente y metodologías pedagógicamente sólidas para la enseñanza de programación e informática*, PICT-MINCYT-2014-1833, MINCYT, Argentina. 280K pesos.
- 2014 – 2017** Director of the Project, *Expresividad en XPath*, PICT-Raíces, ANPCyT, Argentina. 420K pesos.
- 2016 – 2017** Member of the Project, *Contenido Inteligente para enseñanza de Ciencias de la Computación*, PDTs-CIN-CONICET-2014-172, Co-financed by CIN y CONICET, Argentina. 300K pesos.
- 2015 – 2017** Member of the Project, *Sistemas de diálogo con aplicaciones en Educación* PID-2013, financed by the Ministerio de Ciencia y Tecnología de la Provincia de Córdoba, Argentina. 60K pesos.
- 2014 – 2017** Member of the Project, *Intentional Hybrid Logics*, Ministerio Español, España. 35K euros.
- 2014 – 2015** Director of the Project, *Expresividad de Dominios de Planning y su Optimización*. SeCyT - Universidad Nacional de Córdoba. 30K pesos.
- 2013 – 2014** Member of the Project, *Diseño racional de cepa vacunal antipoliomielítica con menor probabilidad de reversión a la virulencia*. FONBIO, Gobierno de la Provincia de Córdoba, Argentina.
- 2013 – 2014** Co-director of the Project, *MISMT - Modally Inspired SMT*. STIC-Amsud, Argentina-Brasil-Francia. 22K euros.
- 2012 – 2013** Director of the Project, *Inferencia Dinámica y Aplicaciones*. SeCyT - Universidad Nacional de Córdoba, Argentina. 17K pesos
- 2012 – 2013** Co-director of the Project, *Plataforma Chatbot: Motivando a los Jóvenes a Transformarse en Usuarios Creadores de TICs*, Subsidio Secyt-UNC a Proyectos de Innovación y Transferencia Tecnológica, co-financed by Fundación Sadosky, Argentina. 300K pesos.
- 2011 – 2015** Member of the Project, *MEALS: Mobility between Europe and Argentina applying Logics to Systems*, PEOPLE, Marie Curie Actions, International Research Staff Exchange Scheme, FP7-PEOPLE-2011-IRSES, Europe. 573K euros.
- 2011 – 2014** Director of the Project, *Simulaciones. Caracterización, Complejidad y Algoritmos Optimizados*, PICT-Bicentenario, ANPCyT, Argentina. 300K pesos.
- 2011 – 2014** Director of the Project, *Sistemas de Diálogo para Entornos Virtuales*. PICT-PRH, ANPCyT, Argentina. 300K pesos.
- 2010 – 2011** Member of the Project, *Algoritmos eficientes para el cómputo de bisimulaciones*. UBACyT - Universidad de Buenos Aires, Argentina. 12K pesos.
- 2010** Grant for re-localization, PIDRI Bicentenario. 45K pesos.
- 2010 – 2011** Director of the Project, *Planning sobre Estructuras Relacionales*. SeCyT - Universidad Nacional de Córdoba, Argentina. 15K pesos.
- 2010 – 2012** Member of the Project, *Nociones de Completitud* Universidad de Salamanca, España. 10K euros.

- 2009 – 2011** Co-director of the Project, *Inference Tools for Hybrid Logics and Applications for Natural Language Processing (InToHyLo)*. INRIA Equipes Associees, Francia. 45K euros.
- 2008 – 2010** Director of the Project, *Parallel Tools for Hybrid Logics (PARLO)*. MISN-TALC, Francia. 13K euros.
- 2008 – 2008** Member of the Project, *Merging, InduCing and Reasoning with Ontologies in BIOinformatics (Microbio)*. STIC-AMSud, Francia. 5K euros.
- 2008 – 2009** Co-director of the Project, *Service d'inference pour pour des systèmes de dialogue*, a cooperation between MINCyT, Argentina and INRIA/CNRS, Francia. 11K euros.
- 2006 – 2009** Member of the Project, *Lógicas para la Red* in collaboration with the Universidad de Salamanca, España. 28K euros.
- 2002 – 2004** Co-director of the Project, *Complex Knowledge Base Classification (CKBC)*. NWO, The Netherlands. 200K euros.

6 Scientific Positions

- 2019** member, Comité de Evaluación de Carreras de Posgrado (Ciencias Básicas y Aplicadas), CONEAU.
- 2018** member, Comité de Evaluación de Desempeño Docente correspondientes a las áreas de Matemática, Física y Computación, FaMAF-UNC.
- 2016 – 2017** Co-director, Carrera de Doctorado en Ciencias de la Computación de la FaMAF, Universidad Nacional de Córdoba.
- 2014 – 2016** member, Comisión de Especialistas de la Fundación Sadosky.
- 2014 – 2015** Director, Carrera de Doctorado en Ciencias de la Computación de la FaMAF, Universidad Nacional de Córdoba.
- 2012 – 2015** member, Comisión Evaluadora de la Secretaría de Ciencia y Técnica de la Universidad Nacional de Córdoba.
- 2014 – 2015** member, Comisión Asesora de Informática y Comunicaciones de CONICET.
- 2013** member, Comisión ad hoc del Área Tec. Informática de las Comunicaciones y Electrónica en el marco de la convocatoria PICT 2012.
- 2012 – 2013** Co-director, Carrera de Doctorado en Ciencias de la Computación de la FaMAF, Universidad Nacional de Córdoba.
- 2012 – 2013** Coordinator, Comisión Asesora de Computación (CAC) de la FaMAF, Universidad Nacional de Córdoba.
- 2010 – 2012** member, Comisión de Posgrado (CODEPO), Computación, de la FaMAF, Universidad Nacional de Córdoba.
- 2011 – 2012** member, Comisión Asesora de Informática y Comunicaciones de CONICET.
- 2007 – 2014** member, Steering Committee of Advances in Modal Logic (AiML).
- 2007 – 2009** Secretary, Association for Logic, Language and Information (FoLLI).
- 1998 – 2007** Information Officer, European Association for Logic, Language and Information (FoLLI).
- 1999 – 2010** Webmaster, Hybrid Logics Website: <http://hylo.loria.fr>.
- 1999 – 2010** Webmaster Method for Modalities Website: <http://m4m.loria.fr>.

7 Teaching Positions

Teaching Experience: 23 years in 2019.

- 4/2015 – now** Full Professor, Universidad Nacional de Córdoba, Facultad de Matemática, Astronomía y Física.
- 3/2010 – 4/2015** Associate Professor, Universidad Nacional de Córdoba, Facultad de Matemática, Astronomía y Física.
- 9/2005 – 3/2010** Lecturer, Université Henri Poincaré.
- 7/1998 – 9/2000** Teaching Assistant, Universiteit van Amsterdam.
- 1/1997 – 1/1998** Teaching Assistant, University of Warwick.
- 3/1995 – 3/1998** Teaching Assistant (1st Class), Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Computación.
- 3/1994 – 3/1995** Teaching Assistant (2nd Class), Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Computación.
- 3/1993 – 3/1994** Teaching Assistant (2nd Class), Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Computación.
- 2/1993 – 3/1994** Teaching Assistant (2nd Class), Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Computación.
- 4/1992 – 2/1993** Teaching Assistant (2nd Class), Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Computación.
- 4/1992 – 2/1993** Teaching Assistant (2nd Class), Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Computación.

8 Editorial Positions

- 2015 – now** Member of the Comité Científico of the Electronic Journal of SADIO.
- 2005 – now** Member of the Scientific Board of The Baltic International Yearbook of Cognition, Logic and Communication.
- 2004 – now** Member of the Editorial Board of the Journal of Applied Logics.
- 2006 – 2010** Member of the Editorial Board of the FoLLI Publications on Logic, Language, and Information (part of the Lecture Notes in Artificial Intelligence series published by Springer-Verlag).
- 2004 – 2010** Member of the Editorial Board of the Journal of Logic, Language and Information.

9 Scholarships, Honors and Awards

- 2018** Tinker Visiting Professorship at Stanford University.
- 2003** Best presentation award, ICoS-4, Nancy, France.
- 2000** “ECCAI Grant” to attend ECAI 2000, Berlin, Germany.
- 1999** “NWO Grant” to attend LUATCS’99, Johannesburg, South Africa.
 “Woody Bledsoe Travel Award” to attend CADE’99, Trento, Italy.

- 1997** 5th position in the “IV Concurso CLEI-UNESCO de Tesis de Maestría, Tesis’97”, Valparaíso, Chile.
One-year Cheavining Scholarship by the British Council to pursue PhD. studies in the United Kingdom.
- 1995** Scholarship to attend DIMACS Summer School on Applied Logic and Algorithms at Rutgers, The State University, USA.
- 1994** UNESCO Scholarship to attend the 2nd Chilean Workshop on Computing in Concepción, Chile.
- 1993** Three-year Research Grant from the Universidad de Buenos Aires. Topic: Existence, Identity and Change in Quantificational Temporal Logics and Applications to Concurrent Processes. Director: Prof. Francisco Naishtat.

10 Organization of International Events

- 2020** • Member of the Program Committee, *27th Workshop on Logic, Language, Information and Computation (WoLLIC’20)*, August 4-7, 2020, Lima, Peru.
• Member of the Program Committee, *10th International Joint Conference on Automated Reasoning (IJCAR’20)*, June 29-July 2, 2020, Paris, France.
• Member of the Program Committee, *3rd International Workshop on Dynamic Logic: New Trends and Applications 2020 (DaLi 2020)*. 9-10 October, 2020, Prague, Czech Republic.
• Member of the Program Committee, *Simposio Argentino de Inteligencia Artificial (ASAI’20)*, August 10-14, 2020, Buenos Aires, Argentina.
• Member of the Program Committee, *Knowledge Representation and Reasoning (KRR) track of the 20th Portuguese Conference on Artificial Intelligence (EPIA’20)*, September 7-9, 2020, Lisbon, Portugal.
- 2019** • Member of the Program Committee, *The 12th International Symposium on Frontiers of Combining Systems (FROCOS’19)*, September 4-6, 2019, London, UK.
• Member of the Program Committee, *DaLi 2019, International Workshop on Dynamic Logic: New Trends and Applications*, October 7-11, 2019 Porto, Portugal.
• Member of the Program Committee, *IJCAI-19, the 28th International Joint Conference on Artificial Intelligence*, August 10-16, 2019, Macao, China.
• Member of the Program Committee, *CADE-27, 27th International Conference on Automated Deduction*, 25-30 August 2019, Natal, Brazil.
• Member of the Program Committee, *JELIA 2019, 16th European Conference on Logics in Artificial Intelligence*, May 8-10, 2019, Rende, Italy.
- 2018** • Member of the Program Committee, *13th Workshop on Logical and Semantic Frameworks, with Applications (LSFA 2018)*, September 26-28, 2018, Fortaleza, Brasil.
• Member of the Program Committee, *International Joint Conference on Automated Reasoning (IJCAR18)*, July 14-17, 2018 Oxford, United Kingdom.
• Member of the Program Committee, *Student Session at the 30th European Summer School in Logic, Language and Information*, August 6-17, 2018, Sofia, Bulgaria.
• Member of the Program Committee, *EST 2018 - 21er Concurso de Trabajos Estudiantiles (JAIIO)*, 3-7 September, 2018, Buenos Aires, Argentina.
- 2017** • Member of the Program Committee, *DaLi - Dynamic Logic: new trends and applications*, workshop co-located with TABLEAUX, FROCOS and ITP, 23 and 24 September, 2017, Brasília, Brasil.
• Member of the Program Committee, *9th Methods for Modalities 2017 (M4M-17)*, Indian Institute of Technology (IIT), January 8-10, 2017, Kanpur, India.
• Member of the Program Committee, *12th Workshop on Logical and Semantic Frameworks, with Applications (LSFA 2017)*, September 25-29, 2017, Brasília, Brasil.

- Member of the Program Committee, *11th International Symposium on Frontiers of Combining Systems (FroCoS 2017)*, September 25-29, 2017, Brasília, Brasil.
- 2016** • Member of the Program Committee, *15th International Conference on Principles of Knowledge Representation and Reasoning (KR 2016)*, April 25-29, 2016, Cape Town, South Africa.
 - Member of the Program Committee, *2nd International Workshop on Automated Reasoning in Quantified Non-Classical Logics (ARQNL 2016)*, 1 July 2016, Coimbra, Portugal.
 - Member of the Program Committee, *15th European Conference On Logics In Artificial Intelligence (JELIA 2016)*, April 9-11, Larnaca, Cyprus.
 - Member of the Program Committee(Senior) *ESSLLI 2016 Student Session*, August 15-26, Bolzano, Italy.
 - Member of the Program Committe of the Special Issue TTL2015.
- 2015** • Member of the Program Committee, *Fourth International Congress on Tools for Teaching Logic*, Rennes, France, June 9–12, 2015.
 - Member of the Program Committee, *25th International Conference on Automated Deduction (CADE-25)*, Berling, Alemania, Agosto 2-7, 2015.
- 2014** • Member of the Program Committee, *9th Logical and Semantic Frameworks, with Applications (LSFA 2014)*, Brasília, Brazil, Setiembre 8-9, 2014.
 - Member of the Program Committee, *DARe-14: International Workshop on Defeasible and Ampliative Reasoning*, Praga, Republica Checa, Agosto 19, 2014.
 - Member of the Program Committee, *14th edition of the European Conference on Logics in Artificial Intelligence (JELIA 2014)*, Madeira, Portugal, Setiembre 24-26, 2014.
 - Member of the Program Committee, *Automated Reasoning in Quantified Non-Classical Logics (ARQNL 2014)*, Viena, Austria, Julio 23, 2014.
 - Member of the Program Committee, *Simposio Latinoamericano en Investigacion de Operaciones e Inteligencia Artificial, XXXX Conferencia Latinoamericana en Informática (CLEI 2014)*.
 - Member of the Program Committee, *17th Brazilian Logic Conference (EBL 2014)*, Petrópolis, RJ, April 7-11, 2014.
 - Member of the Program Committee, *XVI Latin-American Symposium on Mathematical Logic (SLALM 2014)*, Buenos Aires, Argentina, Julio 28 - Agosto 1, 2014.
 - Member of the Program Committee, *Advances in Modal Logic (AiML14)*, Groningen, The Netherlands, Agosto 5-8, 2014.
 - Member of the Program Committee, *8th International Conference on Formal Ontology in Information Systems (FOIS 2014)*, Rio de Janeiro, Brazil, Setiembre 22-26, 2014.
- 2013** • Member of the Program Committee, *Latin American Symposium of Operations Research and Artificial Intelligence en la XXXIX Conferencia Latinoamericana de Informática (XXXVII CLEI)*, Venezuela.
 - Member of the Program Committee, *Latin American Symposium of Theory of Computation en la XXXIX Conferencia Latinoamericana de Informática (XXXVII CLEI)*, Venezuela.
 - Chair of the Program Committee, *Methods for Modalities 2013 (M4M-13)*, June, 2013, Lake Placid, New York, US.
 - Member of the Program Committee, *Automated Deduction: Decidability, Complexity, Tractability (ADDCT'2013)*, 9-14 de June, 2013, Lake Placid, New York, US.
 - General Co-Chair, *Jornadas Argentinas de Informática*, September 2013, Córdoba, Argentina.
 - Member of the Program Committee, *Automated Reasoning with Analytic Tableaux and Related Methods (Tableaux 2013)*, September, 2013, Nancy, France.
 - Member of the Program Committee, *9th International Symposium on Frontiers of Combining Systems (FroCoS 2013)*, 18-20 September 2013, Nancy, France.

- 2012** • Member of the Program Committee, *Symposium on Social Computing, Social Cognition, Social Networks and Multiagent Systems (SNAMAS 2012)*, Birmingham, England, 2–3 July, 2012.
- Member of the Program Committee, *7th Logical and Semantic Frameworks, with Applications (LSFA 2012)*, Rio de Janeiro, RJ, Brazil, 29th of September, 2012.
 - Member of the Program Committee, *2012 21st Brazilian Symposium on Artificial Intelligence (SBIA 2012)*, Curitiba, Paraná, Brazil, 20–25 October 2012.
 - Member of the Program Committee, *2012 International Workshop on Description Logics (DL2012)*, Rome, Italy.
 - Co-chair of the Organizing Committee, *19th Workshop on Logic, Language, Information and Computation (WoLLIC12)*, Buenos Aires, Argentina.
 - Member of the Program Committee, *Advances in Modal Logic (AiML12)*, Copenhagen, Denmark.
 - Member of the Program Committee, *XXXVII Conferencia Latinoamericana de Informática (XXXVII CLEI)*, Quito, Ecuador.
 - Co-chair of the Program Committee *11th North American Summer School in Logic, Language and Information (NASSLLI)*, Austin, Texas, USA.
- 2011** • Organizer, *2da Escuela de Lingüística Computacional*, Córdoba, Argentina.
- Member of the Program Committee, *ASAI 2011 Argentine Symposium on Artificial Intelligence*, UTN - Facultad Regional Córdoba, en Córdoba, Argentina, Agosto 29 a Setiembre 30, 2011.
 - Chair of the Program Committee, *2nd. Escuela de Lingüística Computacional (ELiC-2011)*, Universidad Nacional de Córdoba, en Córdoba, Argentina, Agosto 1–4, 2011.
 - Member of the Program Committee, *2nd. NLPW Workshop*, Universidad Nacional de Córdoba, en Córdoba, Argentina, Agosto 5–6 2011.
 - Member of the Program Committee, *STIL-2011*, Federal University of Mato Grosso, en Cuiaba, Mato Grosso, Brazil, Octubre 24–26 2011.
 - Member of the Program Committee, *7th Methods for Modalities Workshop (M4M7)*, Osuna, Spain.
 - Member of the Program Committee, *2011 International Workshop on Description Logics (DL2011)*, Barcelona, Spain.
 - Member of the Program Committee, *Third International Congress on Tools for Teaching Logic*, Salamanca, Spain.
- 2010** • Member of the Program Committee, *Workshop on NLP and Web-based technologies*, IBERAMIA 2010, Bahía Blanca, Argentina.
- Member of the Program Committee, *36th Latin American Conference of Informatics*, Asunción, Paraguay.
 - Member of the Program Committee, *2010 Workshop on Hybrid Logics (HyLo 10)*, Edinburgh, United Kingdom.
 - Member of the Program Committee, *1era Escuela de Lingüística Computacional (ELiC-1)*, Buenos Aires, Argentina.
 - Member of the Program Committee, *2010 International Workshop on Description Logics (DL2010)*, Waterloo, Canada.
 - Member of the Program Committee, *International Joint Conference on Automated Reasoning (IJCAR10)* Edinburgh, United Kingdom.
 - Member of the Program Committee, *Advances in Modal Logic (AiML10)* Moscu, Russia.
- 2009** • Member of the Program Committee, *Automated Deduction: Decidability, Complexity, Tractability Workshop (ADDCT'09)* Montreal, Canada.
- Co-chair of the Program Committee, *2009 Workshop on Hybrid Logics (HyLo 09)*, Nancy, France.
 - Member of the Program Committee, *2009 International Workshop on Description Logics (DL2009)*, Dresden, Germany.

- Member of the Program Committee, *6th Methods for Modalities Workshop (M4M6)*, Copenhagen, Denmark.
- 2008** • Member of the Program Committee, *Workshop on Complexity, Expressibility, and Decidability in Automated Reasoning (CEDAR08)*, Sydney, Australia.
- Member of the Program Committee, *18th European Conference on Artificial Intelligence, ECAI 2008*, Patras, Greece.
- Member of the Program Committee, *2008 International Workshop on Description Logics (DL2008)*, Dresden, Germany.
- Co-chair of the Program Committee, *Advances in Modal Logic Workshop (AiML)*, Nancy, France.
- 2007** • Member of the Program Committee, *2007 Eurolan Summer School (EUROLAN07)*, Iasi, Romania.
- Co-chair of the Program Committee, *5th Methods for Modalities Workshop (M4M5)*, Chachan, France.
- Member of the Program Committee, *2007 International Workshop on Description Logics (DL2007)*, Brixen-Bressanone, Italy.
- Member of the Program Committee, *Noveno Simposio Argentino de Inteligencia Artificial (ASAI 2007)*, Mar of the Plata, Argentina.
- Member of the Program Committee, *2007 Workshop on Hybrid Logics (HyLo 07)*, Dublin, Ireland.
- 2006** • Member of the Program Committee, *Second International Congress on Tools for Teaching Logics*, Salamanca, Spain.
- Member of the Organization Committee, *Panorama des Recherches Incitatives en STIC (PaRISTIC)*, Nancy, France.
- Member of the Program Committee, *2006 International Workshop on Description Logics (DL2006)*, Lake district, UK.
- Member of the Program Committee, *Campus Multidisciplinar en Percepción e Inteligencia (CMPI-2006)*, Albacete, Spain.
- Member of the Program Committee, *Twenty-First National Conference on Artificial Intelligence (AAAI-06)*, Boston, USA.
- Chair of the Program Committee, *18th European Summer School in Logic, Language and Information (ESSLLI)*, Málaga, Spain.
- Member of the Program Committee, *Inference in Computational Semantics (ICoS-5)*, Buxton, England.
- Member of the Program Committee, *2006 Workshop on Hybrid Logics (HyLo 06)*, Seattle, Washington 2006.
- 2005** • Member of the Program Committee, *Method for Modalities 4 (M4M-4)*, Berlin, Germany.
- Member of the Program Committee, *2005 International Workshop on Description Logics (DL2005)*, Edinburgh, Scotland, UK.
- 2004** • Co-organizer, *16th European Summer School in Logic, Language and Information (ESSLLI)*, Nancy, France.
- Member of the Program Committee, *2004 International Workshop on Description Logics (DL2004)*, Whistler, British Columbia, Canada.
- 2003** • Co-chair of the Program Committee, *First Nancy Inference Week, Methods for Modalities 3 (M4M-3)*, *Inference in Computational Semantics 4 (ICoS-4)*, *1st Description Logic Day*, Nancy, France.
- 2002** • Co-chair of the Program Committee, *HyLo@LICS, Fourth Workshop on Hybrid Logics*, Sponsored by LICS, Copenhagen, Denmark.
- Member of the Program Committee, *First European Starting AI Researcher Symposium*,

Lyon, France.

- Member of the Program Committee, *ESSLLI 2002 Student Session*, Trento, Italy.

2001 • Co-chair of the Program Committee, *Methods for Modalities 2 (M4M-2)*, Amsterdam, The Netherlands.

2000 • Co-organizer, *HyLo 2000, Second Workshop on Hybrid Logics*, Birmingham, United Kingdom.

1999 • Co-chair of the Program Committee, *Methods for Modalities 1 (M4M-1)*, Amsterdam, The Netherlands.

1998 • Member of the Program Committee, *Frontiers of Combining Systems (FroCos'98)*, Amsterdam, The Netherlands.

- Co-chair of the Program Committee, *Student Session (Logic Track) de ESSLLI'98*, Saarbrücken, Germany.

11 Participation in Conferences

2019 • Invited speaker, Institut de Recherche en Informatique de Toulouse (IRIT), July, Toulouse, France, 2019.

- Invited speaker, Research Centre for Knowledge and Data (KRDB), 4th October, Bolzano, Italy, 2019

- Presentations: TARK'19, CADE'19, AAI'19, JELIA'19.

2018 • Invited speaker, 7th CSLI Workshop on Logic, Rationality, and Intelligent Interaction, Stanford, USA, 2-3 June, 2018.

- Invited speaker, Logic Colloquium at University of California, Berkeley, USA, 13th April, 2018.

- Invited speaker, Center for Latin American Studies, Stanford University, Stanford, USA, 4th May, 2018.

- Presentations: WoLLIC'18, LPAR'18, AWPL'18, AiML'18.

2017 • Keynote speaker, 17avo Simposio Latinoamericano de Lógica Matemática (SLALM), Puebla, México, Junio 26 al 30.

- Invited speaker, 26th International Conference on Automated Reasoning with Analytic Tableaux and Related Methods, September 2017, Brasilia, Brasil.

- Seminar, Escuela Argentina de Inteligencia Artificial de la 46th JAIIO, Córdoba, 8 de Setiembre, Argentina.

- Presentations: DALI'17, EPIA'17.

2016 • One week course, Rio'16, Febrero 2016, Rio IV, Argentina.

- Invited speaker, JCC'16, Octubre 2016, Rosario, Argentina.

- Invited speaker, FoG Workshop, Bs. As., Argentina, Setiembre 2016.

- Presentations: GanDALF'16, JELIA'16.

2015 • Two week course, ESSLLI'15, Agosto 2015, Barcelona, España.

2014 • Invited speaker, Logic, Language, Information, Theory and Applications Group, UFRN, Natal, December 2014.

- Presentations: ICAPS'14, WoLLIC'14, ICDT'14.

2013 • Invited speaker, Verification and Testing of Multi-Agent Systems, Schloss Dagstuhl, Germany, April 28 to May 3.

- Invited speaker, 8th Workshop on Logical and Semantic Frameworks, with Applications, Sao Paulo, Brazil, September 2-3.

- Tutorial, 8th Workshop on Logical and Semantic Frameworks, with Applications, Sao

- Paulo, Brazil, September 2-3.
- Tutorial, 4th World Congress and School on Universal Logic, Rio de Janeiro, Brazil, March 29–April 07, 2013.
 - Presentations: SMT'13, LSFA'13, Tableaux'13, FroCos'13.
- 2012** • Invited speaker, IV Latin American Mathematics Conference, Universidad Nacional de Córdoba, Argentina.
- 2011** • Invited speaker, Río 2011, Río Cuarto, Argentina.
• Invited speaker, XVI EBL - Brazilian Logic Conference, Petrópolis, Brasil.
• One week course, ELiC-2, Córdoba, Argentina.
- 2010** • One week course, ELiC-1, Buenos Aires, Argentina.
• One week course, NASSLLI 2010, Indiana, USA.
• Invited speaker, JCC 2010, Rosario, Argentina.
- 2009** • One week course, Universidad de Salamanca, Spain.
• One week course, Tbilisi Symposium, Georgia.
• Tutorial, FIRST Autumn School, Copenhagen, Denmark.
• Invited speaker, Tbilisi Symposium, Georgia.
• Presentations: en Tableaux'09, Oslo, Norway.
- 2008** • One week course, Universidad de Buenos Aires, Argentina.
• One week course, Universidad de Río Cuarto, Argentina.
• One week course, ESSLLI 2008, Hamburg, Germany.
• One week course, Universidad de Córdoba, Argentina.
- 2007** • One week course, Universidad de Buenos Aires, Argentina.
• Invited speaker, Universidad de San Sebastian, Spain.
• Invited speaker, Student Session, ESSLLI'07, Dublin, Ireland.
• Presentations: M4M'07.
- 2006** • One week course, Universidad de Salamanca, España.
• Invited speaker, Universidad de Buenos Aires, Argentina.
• Invited speaker, Universidad de Córdoba, Argentina.
• Invited speaker, Manchester University, UK.
• One month doctoral course, Universidad de Buenos Aires, Argentina.
- 2005** • One week course, ECI 2005.
• Presentations: LPAR'05.
- 2004** • One week course, Universidad de Salamanca, España.
• One week course, JALIMI 2004, Rosario, Argentina.
- 2003** • Presentations: DL'03, ICoS'03, DLD'03, HyLo'03, M4M-3.
- 2002** • Presentations: AiML 2002, BNAIC'02, HyLo@LICS.
- 2001** • One month doctoral course, Universidad de Buenos Aires, Argentina.
• Presentations: HyLo 2001, BNAIC 2001, M4M-2.
- 2000** • Invited speaker, Computational Linguistics Seminar, University of Saarbrücken.
• Presentations: bencl2000, HyLo 2000, ECAI 2000.
- 1999** • Invited speaker, ESSLLI'99, Málaga, España.
• Presentations: CADE'99, HyLo'99, LUATCS'99.
- 1998** • Invited speaker, ECT'98, Universidad de Buenos Aires, Argentina.
• Presentations: ESSLLI'98, WoLLIC'98, DL'98, BR'98.

1997 • Presentations: ESSLLI'97.

1995 • Participation: DIMACS Summer School on Applied Logic and Algorithms at Rutgers, The State University, USA.
• Presentations: CACiC'99.

1994 • Participation: 2nd. Chilean Workshop on Computing in Concepción, Chile.

12 Development Projects

2014 – now Split, a pre-processor of planning domains that aims to minimize the number of instantiated actions. Joint work with F. Bustos y M. Dominguez.

2007 – now HTab, an automated theorem prover for hybrid logics based on tableaux. Joint work with G. Hoffmann. Available at <http://www.glyc.dc.uba.ar/intohylo/htab.php>

2001 – now HyLoRes, an automated theorem prover for hybrid logics based on direct resolution. Joint work with J. Heguiabehere and D. Gorín. Available at <http://www.glyc.dc.uba.ar/intohylo/hylores.php>

2001 – now GridTest, Testing Environment for Satisfiability Checking, a collection of scripts for intensive testing of satisfiability checkers, joint work with J. Heguiabehere and D. Gorín Available at <http://www.glyc.dc.uba.ar/intohylo/gridtest.php>

2003 – 2005 The Geni Generator, a surface realization tool for natural language generation. Joint work with C. Gardent and E. Kow. Available at <http://projects.haskell.org/GenI/>

2002 hGen, a random generator for hybrid formulas. Joint work with J. Heguiabehere and G. Hoffmann. available at <http://www.glyc.dc.uba.ar/intohylo/hgen.php>

13 Other Skills

	Reads	Spekas	Writes
Lenguajes:	Spanish ^a	Very Well	Very Well
	English	Very Well	Very Well
	French	Very Well	Well

^aMother tongue

Programming: C, C++, Pascal, Java, PROLOG, SML, Haskell, Oz, Python, Perl, Tcl/Tk.

Text Processing: L^AT_EX, HTML, XML.

14 Supervision

CONICET Researchers. Currently: 5. Completed: 1.

- Ongoing:
 - Dr. Franco Luque (assistant researcher, starting in 2014)
 - Dr. Beta Zilani (assistant researcher, starting in 2015)
 - Dr. Raul Fervari (adjoint researcher, starting in 2019)
 - Dr. Guillaume Hoffmann (assistant researcher, starting in 2016)
 - Dr. Valentin Cassano (assistant researcher, starting in 2020)

- Completed:
 - Dr. Raul Fervari (assistant researcher, 2016 – 2019)

Postdoctoral Students. Currently: 1. Alumni: 7.

- Ongoing:
 - Alejandro Gadea (2019 – 2021)
- Completed:
 - Valentin Cassano (2017 – 2019)
 - Romina Altamirano (2017 – 2018)
 - Guillaume Hoffmann (2014 – 2015)
 - Guillaume Hoffmann (2012 – 2013)
 - Raul Fervari (2014 – 2015)
 - Ezequiel Orbe (2014 – 2015)
 - Beta Zilani (2015 – 2017)

PhD Students. Currently: 3. Alumni: 6.

- Ongoing:
 - Marianela Morales, *Deep Inference for Modal Logics*. Universidad Nacional de Córdoba. Expected graduation date: 10/2023.
 - Nahuel Seiler, *Tableaux for XPath with Data*. Universidad Nacional de Córdoba. Expected graduation date: 12/2023.
 - Facundo Bustos, *Optimization of Planning Domains*. Universidad Nacional de Córdoba. Expected graduation date: 03/2019.
- Completed:
 - Raul Fervari, *Relation-Changing Modal Logics*. Universidad Nacional de Córdoba. 03/2014.
 - Alejandro Orbe, *Symmetries in Automated Reasoning*. Universidad Nacional de Córdoba. 03/2014.
 - Guillaume Hoffmann, *Reasoning Tasks for Hybrid Logics*. Université Henri Poincaré. 12/2011.
 - Paul Bédaride, *Implication Textuelle et Réécriture*. Université Henri Poincaré. 10/2010. (Co-dir. Claire Gaudent)
 - Daniel Gorín, *Automated Reasoning Techniques for Hybrid Logics*. Co-tutelle Université Henri Poincaré & Universidad de Buenos Aires. 12/2009.
 - Sergio Mera, *Modal Memory Logics*. Co-tutelle Université Henri Poincaré & Universidad de Buenos Aires. 12/2009.

Master Students. Currently: 0. Alumni: 4.

- Ongoing:
- Completed:
 - Paul Bedaride “Implication Textuelle et Logiques de Descriptions”, LORIA. 2006. (Co-dir. Claire Gaudent)
 - Guillaume Hoffmann “Algorithme des tableaux pour logique hybride avec terminaison” LORIA. 2006.
 - Bernadette Martínez Hernández “Automated Reasoning with Boolean ABoxes”, ILLC, 2002
 - Rafael Accorsi, “Exploring the Behaviour of Feature Interaction via Stable Models”, ILLC, 2000.

Final theses Licenciatura en Cs. de la Computación. Currently: 0. Alumni: 14.

- Ongoing:
- Completed:
 - Nahuel Seiler, “Tableaux para XPath”, UNC, 2017. (Co-dir. Raul Fervari).
 - Giovanni Rescia, “Simetrías en Lógicas de Descripción”, UNC, 2017. (Codirigido con Ezequiel Orbe).
 - Ezequiel Medina, “Optimización de Dominios de Planning”, UNC, 2016.
 - Mauricio Martel, “On the Undecidability of Relation-Changing Logics”, UNRC, 2015.
 - Gisela Rossi “Lógicas Modales con datos infinitos”, UNC, 2014.
 - Facundo Bustos “Optimización en dominios de planificación”, UNC, 2013.
 - Marcio Díaz, “Optimización de la Traducción Funcional para Lógicas Modales”, UNC, 2013.
 - Facundo Carreiro “Caracterización y Definibilidad en Fragmentos Modales de Primer Orden”, UBA, 2010.
 - Daniel Koile “Complejidad computacional de lógicas híbridas sub-booleanas”, UBA, 2008.
 - Alejandra Lorenzo “Testing Description Logic Provers on Hybrid Formulas”, UNCOMA, 2008.
 - Diego Figueira “Bisimulaciones en Neighbourhood Semantics”, UBA, 2006.
 - Julián Mendez “Lógicas de Descripción con Chequeo de Modelos Paramétricos”, UBA, 2005.
 - Luciana Benotti “Planeamiento en un Sistema de Diálogo”, UNCOMA, 2005.
 - Daniel Gorín “Resolución con orden y selección para la lógica H(@)”, UBA, 2004.

Industry Internships. Currently: 0. Ex-interns: 3.

15 Doctoral Jury Duty

- 2018** “Síntesis dirigida de controladores para sistemas de eventos discretos,” Daniel Alfredo Ciolek. Universidad de Buenos Aires.
- 2014** “Dos temas en reescritura: combinadores para cálculos con patrones e isomorfismo de Curry-Howard para la Lógica de Pruebas,” Gabriela Steren. Universidad de Buenos Aires.
- 2014** “Cómputo secuencial eficiente de cotas ajustadas y su impacto en la performance de los análisis de programa basados en SAT,” Pablo Daniel Ponzio. Universidad de Buenos Aires.
- 2014** “Mejoras a la demostración interactiva de propiedades Alloy utilizando SAT-Solving,” Mariano Miguel Moscato. Universidad de Buenos Aires.
- 2013** “Semánticas de procesos para sistemas interactivos y sistemas probabilísticos,” Matias David Lee. Universidad Nacional de Córdoba.
- 2012** “Type-Checking and Normalisation By Evaluation for Dependent Type Systems,” Miguel M. Pagano. Universidad Nacional de Córdoba.
- 2003** “Building Logic Toolboxes,” Juan Martín Heguiabehere. Universiteit van Amsterdam.

16 Publications

16.1 Five most relevant publications

- [Ch17] Hybrid Logics, C. Areces and B. ten Cate. In Blackburn, P., Wolter, F., and van Benthem, J., editors, *Handbook of Modal Logics*, 2006, 821–868, Elsevier.
335 cites in Google Scholar in November, 2019. This chapter recapitulates the state of the art in Hybrid Logics until 2006. It includes a historical perspective, and a review of the most important results.
- [J2] Hybrid Logics. Characterization, Interpolation and Complexity, C. Areces, P. Blackburn and M. Marx. *Journal of Symbolic Logic*, Volume 66(3), 977–1010, ASL Press, 2001.
239 cites in Google Scholar in November, 2019. First complete study of the hybrid logic with the @ and ↓ operators where different characterization results of their expressive power are given, the complexity of different fragments is investigated and a strong interpolation result is proved.
- [B1] Logic Engineering. The Case of Description and Hybrid Logics, C. Areces. PhD Thesis. ILLC, University of Amsterdam, The Netherlands. 2000.
127 cites in Google Scholar in November, 2019. My doctoral thesis which includes, on the one hand, different results on hybrid logics and, on the other, indicates the relation between these logics and description logics.
- [J9] Keys, Nominals, and Concrete Domains, C. Lutz, C. Areces, I. Horrocks, and U. Sattler. *Journal of Artificial Intelligence Research*, 23:667–726, AAAI Press, 2004.
118 cites in Google Scholar in November, 2019. Certain description logics combine the representation of knowledge at an abstract level with an interface with particular domains, such as the set of natural numbers and operations on them. In this article, we extend these logics with *key constraints*.
- [C31] Referring Expressions as Formulas of Description Logic, C. Areces, A. Koller, and K. Striegnitz. In *Proceedings of the Fifth International Natural Language Generation Conference - INLG 2008*, Jun 2008, Salt Fork, United States. 2008.
35 cites in Google Scholar in November, 2019. In this article we show how different notions of simulation can be used for the efficient computation of referential expressions in the area of automatic text generation.

16.2 Bibliometric Data

The following bibliometric data have been updated to November, 2019.

	Google	AMiner	Scopus
H Index	22	21	12
Total Cites	2177	2391	622
Counted Publications	138	118	62

16.3 Books

- [B4] Logics, C. Areces and P. Blackburn. En preparación.
- [B3] Introduction to Computability, C. Areces and P. Blackburn. En preparación.
- [B2] Ciencias de la computación para el aula: 2do. ciclo de primaria. Areces, C., Benotti, L., Cortez Sanchez, J., Fervari, R., García, E., Gomez, M., Martínez, M., Onetti, C. , Wolovick, N. Editorial Colihue, 2018. ISBN 978-987-27416-5-5.
- [B1] Logic Engineering. The Case of Description and Hybrid Logics, C. Areces. PhD Thesis. ILLC, University of Amsterdam, The Netherlands. 2000. ISBN 90577G-0533.

16.4 Edited Volumes

- [E7] Anales de las 42 JAIIO Jornadas Argentinas de Informática. C. Areces and L. Alonso Alemany (editors), SADIO Sociedad Argentina de Informática. 2013. ISSN 1850-2776.
- [E6] Hybrid Logics. C. Areces and P. Blackburn (editors). Special Issue of the Journal of Applied Logic, Vol.8, Number 4, 2010.
- [E5] Method for Modalities 2007. C. Areces, and S. Demri (editors). Electronic Notes in Theoretical Computer Science, 2008
- [E4] Advances in Modal Logic, Volume 7. C. Areces and R. Goldblatt (editors). College Publications, 2008.
- [E3] Methods for Modalities 3. C. Areces (editor). Special Issue in the Journal of Applied Logics. Elsevier, 2006.
- [E2] Hybrid Logics. C. Areces and P. Blackburn (editors). Special Issue in the Journal of Logic and Computation. Volume 11(5), 2001.
- [E1] Methods for Modalities I. C. Areces, E. Franconi, R. Goré, M. de Rijke, H. Schlingloff (editors). Special Issue in the Logic Journal of the IGPL, Volume 8(3). 2000.

16.5 Journal Articles (Refereed)

- [J29] The Complexity of Definability by Open First-Order Formulas. C. Areces, M. Campercholi, D. Penazzi and P. Ventura, *Logic Journal of the IGPL*, 2019.
- [J28] Satisfiability for relation-changing logics. C. Areces, R. Fervari, G. Hoffmann and M. Martel, *Journal of Logic and Computation*, 28(7), 1443-1470, Oxford Journals, 2018.
- [J27] Reasoning About Prescription and Description Using Prioritized Default Rules, V. Cassano, C. Areces and P. Castro, In Proceedings of LPAR-22, 22nd International Conference on Logic for Programming, Artificial Intelligence and Reasoning, G. Barthe, G. Sutcliffe and M. Veanes (eds.), EPiC Series in Computing, volume 57, 196–213, 2018.

- [J26] The Lattice of Congruences of a Finite Linear Frame. C. Areces, M. Campercholi, D. Penazzi and P. Sánchez Terraf, *Journal of Logic and Computation*, 27(8): 2653-2688, Oxford Journals, 2017.
- [J25] The Modal Logic of Copy and Remove. C. Areces, H. van Ditmarsch, R. Fervari, and F. Schwarzentruher, *Information and Computation*, 255:243-261, Elsevier, 2017.
- [J24] Relation-changing modal operators. C. Areces, R. Fervari, and G. Hoffmann, *Logic Journal of the IGPL*, 23(4):601–627, Oxford University Press, 2015.
- [J23] Symmetries in Modal Logics. C. Areces and E. Orbe, *Bulletin of Symbolic Logic*, ASL Press, 2015.
- [J22] Symmetric blocking. C. Areces and E. Orbe, *Theoretical Computer Science*, Elsevier, 2015.
- [J21] Model Theory of XPath on Data Trees. Part I: Bisimulation and Characterization. D. Figueira, S. Figueira, and C. Areces, *Journal of Artificial Intelligence Research*, 53:271–314, AAAI Press, 2015.
- [J20] Characterization, Definability and Separation via Saturated Models. C. Areces, F. Carreiro, and S. Figueira, *Theoretical Computer Science*, 537:72–86, Elsevier, 2014.
- [J19] Swap Logic. C. Areces, R. Fervari, R., and G. Hoffmann, *Logic Journal of the IGPL*, 22(2):309–332, Oxford University Press, 2014.
- [J18] Completeness in Hybrid Type Theory. C. Areces, P. Blackburn, A. Huertas, and M. Manzano, *Journal of Philosophical Logic*, 43(2–3):209–238, Springer, 2014.
- [J17] Report on the 19th Workshop on Logic, Language, Information and Computation (WoLLIC 2012). L. Ong, , C. Areces, S. Figueira, and R. de Queiroz. *The Bulletin of Symbolic Logic*, 19(3):425–426, 2013.
- [J16] Completeness Results for Memory Logics, C. Areces, S. Figueira, and S. Mera. *Annals of Pure and Applied Logic*, 163(7):961–972, Elsevier, 2012.
- [J15] Unsorted Functional Translations. C. Areces and D. Gorín, *Electronic Notes in Theoretical Computer Science*, 278:3–16, Elsevier, 2011. Proceedings of the 7th Workshop on Methods for Modalities (M4M 2011)
- [J14] The Expressive Power of Memory Logics, C. Areces, D. Figueira, S. Figueira and S. Mera. *The Review of Symbolic Logic*, 4(2):290–318, Cambridge University Press , 2011.
- [J13] Hybrid Type Theory: A Quartet in Four Movements. C. Areces, P. Blackburn, A. Huertas and M. Manzano, *Principia*, 15:225–247, Núcleo de Epistemologia e Lógica, 2011.
- [J12] Resolution with Order and Selection for Hybrid Logics, C. Areces and D. Gorín. *Journal of Automated Reasoning*, 46(1):1–42, Springer, 2011.
- [J11] Coinductive Models and Normal Forms for Modal Logics, C. Areces and D. Gorín. *Journal of Applied Logics*, 8(4):305–318, Elsevier, 2010.
- [J10] Elija su Propia Lógica. Areces, C. Azafea: *Revista de Filosofía*, 8:71–83, 2006.
- [J9] Keys, Nominals, and Concrete Domains, C. Lutz, C. Areces, I. Horrocks, and U. Sattler. *Journal of Artificial Intelligence Research*, 23:667–726, AAAI Press, 2004.
- [J8] Analyzing the Core of Categorical Grammar, C. Areces and R. Bernardi. *Journal of Logic, Language and Information*, 13(2):121–137, Springer, 2004.
- [J7] Galois Connections in Categorical Type Logic, C. Areces, R. Bernardi, M. Moortgat. *Electronic Notes in Theoretical Computer Science*, Volume 53, 3–20, Elsevier, 2004

- [J6] Repairing the Interpolation Theorem in Quantified Modal Logic, C. Areces, P. Blackburn and M. Marx. In *Annals of Pure and Applied Logic*, Volume 124, 287-299, Elsevier, 2003.
- [J5] Bringing them all Together, C. Areces and P. Blackburn. *Journal of Logic and Computation*, Volume 11(5), 657-669, Oxford University Press, 2001.
- [J4] Resolution in Modal, Description and Hybrid Logic, C. Areces, H. de Nivelle and M. de Rijke. *Journal of Logic and Computation*, Volume 11(5), 717-736, Oxford University Press, 2001.
- [J3] The Computational Complexity of Hybrid Temporal Logics, C. Areces, P. Blackburn and M. Marx. *Logic Journal of the IGPL*, Volume 8(5), 653-679, Oxford University Press, 2000.
- [J2] Hybrid Logics. Characterization, Interpolation and Complexity, C. Areces, P. Blackburn and M. Marx. *Journal of Symbolic Logic*, Volume 66(3), 977-1010, ASL Press, 2001.
- [J1] Failure of Interpolation in Combined Modal Logics, C. Areces and M. Marx. *Notre Dame Journal of Formal Logic*, Volume 39(2), 253-273, Duke University Press, 1998.

16.6 Chapters in Collections (Refereed)

- [Ch44] A Tableaux Calculus for Default Intuitionistic Logic. V. Cassano, R. Fervari, G. Hoffmann, C. Areces, P. Castro, P. Fontaine (ed.) CADE 2019, 161-177, LNCS 11716, Springer, 2019. ISBN 978-3-030-29435-9.
- [Ch43] Interpolation and Beth Definability in Default Logics. V. Cassano, R. Fervari, C. Areces, P. Castro, in F. Calimeri, N. Leone, M. Manna (eds.) Logics in Artificial Intelligence - 16th European Conference, JELIA 2019, LNCS 11468, Springer, 675-691, 2019. ISBN 978-3-030-19569-4.
- [Ch42] Learning How to Ground a Plan – Partial Grounding in Classical Planning. D. Gnad, A. Torralba, M. Dominguez, C. Areces and F. Bustos, In Proceedings of the 33rd AAAI Conference On Artificial Intelligence, AAAI Press, Palo Alto, California USA, Pages 7602-7609. 2019. ISBN 978-1-57735-809-1.
- [Ch41] Deciding Open Definability via Subisomorphisms. C. Areces, M. Campercholi and P. Ventura. In Proceedings of the 25th Workshop on Logic, Language, Information and Computation (WoLLIC'18), 91-105, Bogotá, Colombia, Pages 91-105, 2018. LNCS 10944, Springer, ISBN 978-3-662-57668-7.
- [Ch40] Undecidability of Relation-Changing Modal Logics. C. Areces, R. Fervari, G. Hoffmann, and M. Martel. In “DALI@TABLEAUX 2017”, pp. 1-16 Volume 10669 of Lecture Notes in Computer Science, 2017. ISBN 978-3-319-73578-8.
- [Ch39] Tableaux for Hybrid XPath with Data. C. Areces, R. Fervari, N. Seiler. En “Progress in Artificial Intelligence,” E. Oliveira, J. Gama, Z. Vale, H. Lopes Cardoso (Eds.), Volume 10423 de Lecture Notes in Computer Science, Springer 2017, pp. 611-623. ISBN 978-3-319-65339-6.
- [Ch38] Algoritmos. C. Areces. En “Manual de Actividades Segundo Ciclo de Primaria”. Fundación Sadosky, Colihue, 2017.
- [Ch37] Primeros Programas. C. Areces. En “Manual de Actividades Segundo Ciclo de Primaria”. Fundación Sadosky, Colihue, 2017.
- [Ch36] Hilbert-Style Axiomatization for Hybrid XPath with Data. C. Areces y R. Fervari. En “Logics in Artificial Intelligence,” L. Michael y A. Kakas (Eds.), Volume 10021 de Lecture Notes in Computer Science, pp. 34-48, 2016. ISBN 978-3-319-48757-1.

- [Ch35] Ciencias de la Computación. C. Areces. En “Estado y Perspectivas de las Ciencias Exactas, Físicas y Naturales en la Argentina”, Ministerio de Ciencia, Tecnología e Innovación Productiva de la Nación, 2015. ISBN 978-987-98313-9-7.
- [Ch34] Modal Satisfiability via SMT Solving. C. Areces, P. Fontaine, and S. Merz, In R. De Nicola, and R. Hennicker, R., editors, *Software, Services, and Systems, Lecture Notes in Computer Science*, Volume 8950, pp. 30–45, Springer International Publishing, 2015. ISBN 978-3-319-15544-9.
- [Ch33] Basic Model Theory of XPath on Data Trees. D. Figueira, S. Figueira and C. Areces. In *Proceedings of ICDT: 17th International Conference on Database Theory*, Athens, Greece, March 24-28, 2014. ISBN 978-3-893180-66-1.
- [Ch32] Optimizing Planning Domains by Automatic Action Schema Splitting. C. Areces, F. Bustos, M. Dominguez, and J. Hoffmann. In *Proceedings of the 24th International Conference on Automated Planning and Scheduling (ICAPS’14)*, Portsmouth, NH, USA, 2014. ISBN 978-1-57735-609-7.
- [Ch31] Logics with Copy and Remove. C. Areces, H. van Ditmarsch, R. Fervari and F. Schwarzentruer. In *Proceedings of the 21st Workshop on Logic, Language, Information and Computation (WoLLIC’14)*, Valparaíso, Chile, 2014. ISBN 978-3-662-44144-2.
- [Ch30] Tableaux for Relation-Changing Modal Logics. C. Areces, R. Fervari, and G. Hoffmann. In *Proceedings of Frontiers of Combining Systems 2013*, Nancy, France, September 2013, ISBN 978-3-642-40884-7.
- [Ch29] Dealing with Symmetries in Modal Tableaux. C. Areces and E. Orbe. In *Proceedings of Automated Reasoning with Analytic Tableaux and Related Methods (Tableaux’13)*, Nancy, France, September 2013. ISBN 978-3-642-40536-5.
- [Ch28] Moving Arrows and Four Model Checking Results, Areces, C., Fervari, R., and Hoffmann, G. in *Proceedings of WoLLIC 2012*, Buenos Aires, Argentina, September 2012. ISBN 978-3-642-32620-2.
- [Ch27] iSat: Structure Visualization for SAT Problems, Orbe, E., Areces, C. and Infante-López, G. 18th International Conference on Logic for Programming Artificial Intelligence and Reasoning (LPAR-18), Mérida, Venezuela, 10-15 March, 2012. ISBN 978-3-642-28716-9.
- [Ch26] Basic Model Theory for Memory Logics, C. Areces, F. Carreiro, S. Figueira and S. Mera. *Proceedings of WoLLIC 2011*, Philadelphia, USA, 2011. ISBN 978-3-642-20919-2.
- [Ch25] Using Logic in the Generation of Referring Expressions, C. Areces, S. Figueira, and D. Gorín. In *Proceedings of LACL 2011*, páginas 17–32, Montpellier, France, 2011. ISBN 978-3-642-22220-7.
- [Ch24] Combining theories: the Ackerman and Guarded Fragments, C. Areces and P. Fontaine. *Proceeding of FRODOS 2011*, páginas 40–54, Saarbruecken, Germany, 2011. ISBN 978-3-642-24363-9.
- [Ch23] Modal Logic with Counting, C. Areces, G. Hoffmann and A. Denis. In *Proceedings of WoLLIC’10*, Brasilia, Brasil, 2010. ISBN 978-3-642-13823-2.
- [Ch22] Tableaux and Model Checking for Memory Logics, C. Areces, D. Figueira, D. Gorín, and S. Mera. In *Proceedings of Tableaux’09*, Oslo, Norway, 6-10 July, 2009. ISBN 978-3-642-02715-4.
- [Ch21] Completeness Results for Memory Logics, C. Areces, S. Figueira, and S. Mera. In *Proceedings of LFCS’09, the Symposium on Logica Foundations of Computer Science*, Deerfield Beach, Florida, USA, 2008. ISBN 978-3-540-92686-3.

- [Ch20] Which Semantics for Neighbourhood Semantics? C. Areces and D. Figueira. In Proceedings of IJCAI'09, Pasadena, CA, USA, 11-17 July, 2009. ISBN 978-1-57735-426-0.
- [Ch19] Expressive Power and Decidability for Memory Logics, C. Areces, D. Figueira, S. Figueira, and S. Mera. In Proceedings of WoLLIC 2008, 2008. ISBN 978-3-540-69936-1.
- [Ch18] Hybrid Logics: The Old and the New, C. Areces. In Proceedings of LogKCA-07, November 2007. ISBN 978-8-498600-22-3.
- [Ch17] Hybrid Logics, C. Areces and B. ten Cate. In Blackburn, P., Wolter, F., and van Benthem, J., editors, Handbook of Modal Logics, 2006. Elsevier. ISBN 978-0-080466-66-8.
- [Ch16] Reichenbach, Prior and Montague: A semantic get-together, C. Areces and P. Blackburn. In S. Artemov, H. Barringer, A. d'Avila Garcez, L. Lamb, and J. Woods. editors, We will show them: Essays in honour of Dov Gabbay, College Publications, 2005. ISBN 1-904987-25-7.
- [Ch15] Ordered Resolution with Selection for H(@). C. Areces and D. Gorín. In Proceedings of LPAR 2004, 125–141, Springer, Montevideo, Uruguay, 2005. ISBN 3-540-25236-3.
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