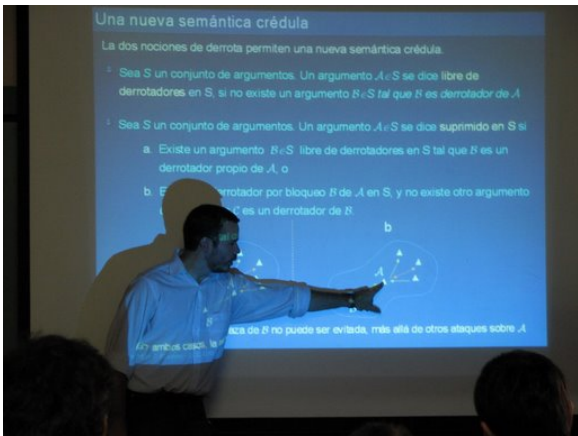


I'm member of the [Artificial Intelligence Research and Development Laboratory](#) (LIDIA). You can v

My main Artificial Intelligence research interests are:

- Abstract argumentation formalisms and semantics for argumentation
- Defeasible logic programs
- Multiagent systems and in dynamic environments, and its connection to interactive games.
- Artificial Intelligence in Digital Interactive Games
(specially Real Time Strategy Games and First Person Shooters)
- Games as testbed for AI research.



I'm member of the following research projects:

- " *Sistemas Lógicos y Argumentación* (ArguLogic Systems, Argumentation)
- " *Plataforma para el Desarrollo e Implementación de Sistemas Multiagentes* (Platform for the Development of Multiagent Systems)
- " *Agentes inteligentes de tiempo real para entornos dinámicos* (Real Time intelligent Agents for Dynamic Environments)

Selected Publications

- *"Bipolarity in Temporal Argumentation Frameworks"*. Maximiliano Celmo Budán, Maria Laura Cobo, Diego Martinez and Guillermo Simari. Workshop on Weighted Logics for AI (WL4AI 2015).
- *"Argumentative AI Director using Defeasible Logic Programming"*. Ramiro A. Agis, Andrea Cohen, Diego C. Martinez. Workshop on Computer Games, CGW 2015.
- *Petri net model of argumentation dynamics*. Diego Martinez, Maria Laura Cobo and Guillermo Ricardo Simari. International Conference on Scalable Uncertainty Management SUM 2014.
- *Stable extensions in timed argumentation frameworks*. Maria Laura Cobo, Diego C. Martinez, and Guillermo R. Simari. First International Workshop on the Theory and Applications of Formal Argumentation (TAFE-11). Lecture Notes in Artificial Intelligence LNAI - Springer.
- *Acceptability in Timed Frameworks with Intermittent Arguments*. Maria Laura Cobo, Diego C. Martínez, Guillermo Ricardo Simari. EANN/AIAI (2) 2011: 202-211.
- *"Computation with varied-strength attacks in abstract argumentation frameworks"*. Paul Dunne, Diego Martinez, Alejandro Garcia and Guillermo Simari. Computational Models of Arguments - COMMA 2010.
- *"On admissibility in timed abstract argumentation frameworks"*. Ma. Laura Cobo, Diego C. Martínez, Guillermo R. Simari. European Conference on Artificial Intelligence - ECAI 2010.
- *"An approach to timed abstract argumentation"*. Ma. Laura Cobo, Diego C. Martínez, Guillermo R. Simari. Worksgop on Nonmonotonic Reasoning - NMR 2010.
- *"An Abstract Argumentation Framework with varied strength attacks"*. Diego C. Martínez, Alejandro J. García, Guillermo R. Simari. Eleventh International Conference on Principles of Knowledge Representation and Reasoning (KR2008). Sidney, Australia.
[\[PDF\]](#)
- *"Strong and weak forms of argument defense"*. Diego C. Martínez, Alejandro J. García, Guillermo R. Simari. 2nd International Conference on Computational Models of Arguments (COMMA 08) [\[PDF\]](#).
- *"On defense strength of blocking defeaters in admissible sets"*. Diego C. Martínez, Guillermo R. Simari. 2nd. International Conference on Knowledge Science, Engineering and Management (KSEM 2007), Melbourne, Australia, November 2007
[\[PDF\]](#)

- "*Modelling well-structured argumentation lines*". Diego C. Martinez, Alejandro J. García, Guillermo R. Simari. International Joint Conference on Artificial Intelligence. International Joint Conference on Artificial Intelligence - IJCAI 07. pp 465-470.

[\[PDF\]](#)

- "*On acceptability in abstract argumentation frameworks with extended defeat relation*". Diego C. Martinez, Alejandro J. García, Guillermo R. Simari. 1st International Conference on Computational Models of Argument (COMMA06) pp 273-278 [

[PDF](#)

].

- "*Progressive Defeat Paths in Abstract Argumentation Frameworks*". 19th Conference of the Canadian Society for Computational Studies of Intelligence, Canadian AI 2006. pp 242--253. Advances in Artificial Intelligence, Proceedings of the 19th Conference of the Canadian Society for Computational Studies of Intelligence. Lecture Notes in Artificial Intelligence, ISSN 0302-9743, ISBN 3-540-34628-7.

- *A Domotic System with Remote Access based on Web Services*. Mauricio E. Pardo, Guillermo E. Strack, Diego C. Martínez. Journal of Computer Science and Technology - JCS&T. Vol 8, Num 2, pp 91-96 (2008).

- *Acceptability Semantics and Contextual Defeat Relations in Extended Frameworks*. Diego C. Martínez, Alejandro J. García, Guillermo R. Simari. Proc. del Congreso Argentino de Ciencias de la Computación CACIC 2007. Corrientes, Argentina. (2007).

- *Towards an Abstract Characterization of the Subargument Relation*. Diego C. Martínez, Nicolás Rotstein. Proc. del Congreso Argentino de Ciencias de la Computación CACIC 2008, Chilecito, La Rioja (2008)

- "*An abstract argumentation framework with proper and blocking defeaters*". X Congreso Argentino de Ciencias de la Computación. Universidad Nacional de La Matanza. Octubre de 2004.

- "*Capturing the behaviour of inter-agent dialogues*". VI Workshop de Investigadores en Ciencias de la Computación. Universidad Nacional del Comahue. Neuquén. Mayo de 2004.

- "*Dialoguing DeLP-based agents*". VIII Congreso Argentino de Ciencias de la Computación. Facultad de Ciencias Exactas, Universidad Nacional de Buenos Aires. Octubre de 2002.

- "*Argument Comparison Criteria Analysis*". Workshop de Investigadores en Ciencias de la Computación (WICC 2001). Departamento de Informática, Universidad Nacional del San Luis. Mayo de 2001

- "*Conflicts in Abstract Argumentation Systems*". Workshop de Investigadores en Ciencias de la Computación (WICC 2001). Departamento de Informática, Universidad Nacional del San

Luis. Mayo de 2001

- "*The Role of Argument Comparison in Dialectical Argumentation*". Segundo Workshop de Investigadores en Ciencias de la Computación (WICC 2000), Universidad Nacional de La Plata. San Juan, Mayo de 2000.

Courses and Dissertations

- *Desarrollo y aplicación de escenarios de pruebas en Inteligencia Artificial. Experiencias de laboratorio y perspectivas a futuro en la Universidad Nacional del Sur (Development of Testbeds for Artificial Intelligence. Lab Experiences at Universidad Nacional del Sur)*.

Disertación dada en el Congreso Internacional de Ingeniería de Sistemas e Informática CIISI 2007. Universidad Alas Peruanas. Arequipa, Perú, del 10 al 12 de Octubre de 2007.

- *Inteligencia Artificial y Juegos Interactivos Digitales (Artificial Intelligence and Digital Interactive Games)*. Disertación dada en la Exposición de Videojuegos Argentina 2008 - ADVA. Centro Cultural General San Martín, 15 y 16 de noviembre de 2008.

- *Diálogos entre Agentes Inteligentes (Intelligent Agents Dialogues)*. Graduate Course, Facultad de Informática, Universidad Nacional de La Plata.