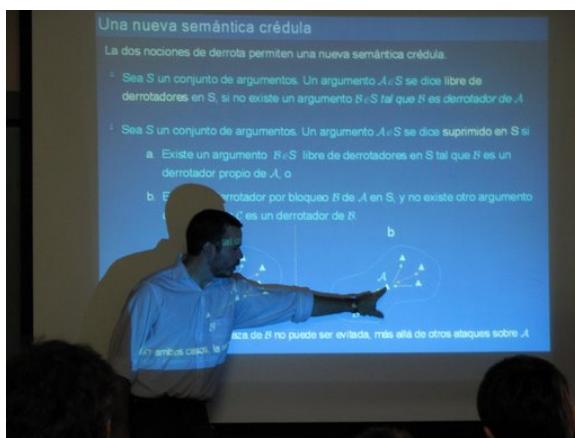


I'm member of the

[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 Argümentativos para la Resolución de Sistemas Argümentativos
Plataforma para el Desarrollo de Agentes Inteligentes de Juegos Tácticos y Juegos de Estrategia*

Selected Publications

- "Bipolarity in Temporal Argumentation Frameworks". Maximiliano Celmo Budán, María Laura Cobo, Diego Martínez 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. Martínez. Workshop on Computer Games, CGW 2015.
- *Petri net model of argumentation dynamics*. Diego Martínez, María Laura Cobo and Guillermo Ricardo Simari. International Conference on Scalable Uncertainty Management SUM 2014.
- *Stable extensions in timed argumentation frameworks*. María Laura Cobo, Diego C. Martínez, and Guillermo R. Simari. First International Workshop on the Theory and Applications of Formal Argumentation (TAFA-11). Lecture Notes in Artificial Intelligence LNAI - Springer.
- *Acceptability in Timed Frameworks with Intermittent Arguments*. María 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 Martínez, Alejandro García 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. Martínez, 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. Martínez, 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.