

1025 Sherbrooke E. Apt. #303  
Montreal H2L1L4, QC Canada  
(514) 623 1853 (mobile)  
<http://duboue.ca/>

pablo@duboue.ca  
pablo.duboue@gmail.com  
@pabloduboue  
PGP fingerprint: E4BC CF16 5D96 6290 849F FD87 C274 F6BF 4A27 AF6A

## Pablo Ariel Duboue, PhD

A lasting interest in human languages combined with strong programming skills and a passion for mathematics. Research accomplishments with both scientific and state-of-the-art human language technological contributions. Interests on AI, Computational Linguistics (NLP), Natural Language Generation, Question Answering and Machine Learning.

### Education

Ph.D., Computer Science, Columbia University, Defended 1/17/05, Conferred 5/18/05  
M.Phil., Computer Science, Columbia University, GPA 3.86/4, 2003  
M.Sc., Computer Science, Columbia University, 2001  
B.S., Computer Science, with honors, GPA 9.36/10, FaMAF-UNC, Argentina, 1998

### Research Experience

**Natural Language Generation**, with *FaMAF-UNC NLP Group*  
*FaMAF-UNC, Argentina, 2010 –*

Researching the impact of noisy, large scale datasets as inputs to NLG tasks.

**Information Retrieval**, with the *Recherche Appliqué en Linguistique Informatique*  
*Université de Montréal, Montreal, 2012–2013*

Researching new methods for snippet extraction in Web search incorporating recent advances in text summarization.

**Question Answering**, with the *Semantic Analysis and Infrastructure Dept.*  
*IBM Watson Research Center, NY, 2005 – 2010*

Pushed the boundaries of the state-of-the-art in language technologies working with world class scientists in a number of (mostly confidential) projects. Some projects with public visibility:

- **DeepQA: Open Question Answering To Challenge Humans on America's Favorite Quiz Show, Jeopardy!** Part of the team that started the scientific grand challenge expected to determine precise answers to complex questions at record speeds. Contributed at the sources, framework and machine learning / answer merging levels, among many others.
- **GALE: Global Automatic Language Exploitation.** Designed, developed and tested (as part of the GALE Go/No-Go evaluation 2007) a system that finds connections between events using pseudo documents representing the events.
- **TREC Enterprise Track: Expert Search.** Researched techniques to represent expertise by building pseudo-documents centered around a person of interest using multi-document summarization techniques. Showcased in TREC 2006.
- **AQUAINT: Open Question Answering for Intelligence Analysis.** Researched traditional, computation heavy techniques applied to Web data. Showcased in TREC 2005.

**Learning Strategic Natural Language Generation Logic**, with Prof. K.M. McKeown  
*Columbia University, NY, 2000 – 2004*

Developed a novel approach integrating semantics and machine learning for a variety of language tasks, including generation and question answering. Contribution consists in learning to select facts for presentation in a text, learning to order the aforementioned facts, and combining statistical and symbolic techniques for the previous learning problems. Applied in the following projects:

- **AQUAINT: Open Question Answering for Intelligence Analysis.** Designed and developed an integrated system that extracts pieces of information about a person from Web pages and assembles a new (unseen) biography from them (50000 lines of Java). Funded by ARDA, the intelligence community (CIA, DIA, etc.) funding agency.
- **MAGIC: Multimedia Automated Generation for Intensive Care.** Learned the high level presentation planner for a system producing post cardiac by-pass surgery reports. Worked closely with medical specialists and managed, debugged and stabilized a 24000 lines of Lisp system, developed by former members of the project. Funded by NIH/NLM.

**Word Sense Disambiguation for Genomics Text Mining**, with Dr. V. Hatzivassiloglu  
*Columbia University, NY, 1999 – 2000*

Targeted the highly ambiguous case of gene/protein/mRNA name occurrence in molecular biology texts. Developed unsupervised Word Sense Disambiguation trainable methods that rivaled biology experts performance in the task.

**Lexical Functional Grammars and Lazy Functional Languages**, with Dr. J. Blanco  
*FaMAF-UNC, Argentina, 1998 – 1999*

Researched a formalism that transforms Spanish utterances into executable Haskell code. The approach was exemplified with a filesystem manipulation interface.

**Models and Simulations for E-commerce**, with Eng. D. Blank  
*UES21, Argentina, 1998 – 1999*

Developed D-Tree, an interpreter (2600 lines of Concurrent Clean) for discrete simulations where the logic for each agent was expressed as a decision tree.

**Professional Experience**

- |       |   |
|-------|---|
| 2015  | <b>Co-Founder and VP of Research.</b> Erudite Science Inc., design and development intelligent tutoring systems for math education.   |
| 2015  | <b>Chief Science.</b> KeaText Inc., design and development of complex NLP pipelines in the Voice-of-the-Customer domain.  |
| 2014  | <b>Research Engineer.</b> PasswordBox Inc. (then Intel Security), design and development of machine learning applied to prediction of behavior in Rich Internet Applications.   |
| 2013  | <b>Co-Founder and CTO.</b> stylist.jolietta.com (defunct), a stealth-mode startup in full-outfit fashion recommendation.  |
| 2013  | <b>Research Engineer.</b> KeaText Inc., design and development of complex Information Extraction pipelines in the real state and legal domains..  |
| 2012- | <b>Principal.</b> Consulting services targeting R+D for startups operating as <i>Pablo Duboue Services Professionnels</i> . Clients included MatchFWD (recruitment), UrbanOrca (dating/friendship) and Radialpoint (technical support). |

- 2011**            **Co-Founder and CTO.** Cantoura, Inc., a start-up focusing on Augmented Reality for the Canadian market. Its flagship product won the Ottawa Open Data competition.
- 2005-2010**      **Research Staff Member.** IBM T.J. Watson Research Center, Semantic Analysis and Infrastructure Dept. Worked in 6+ projects including joint projects with overseas teams in China and Israel. Involvement with complex NLP frameworks, particularly UIMA.
- 1999-2004**      **Graduate Research Assistant.** Columbia University NLP Group. Worked in 3 different projects with multidisciplinary teams including computer scientists, medical doctors, biologists, computer graphic specialists and linguists. Significant exposure to government funding dynamics.
- Summer 2000**    **Research Developer.** Summer internship, IBM T.J. Watson Research Center, Conversational Machines group, developed a tool for grammar revision, 10000+ lines of Java implementing a published patent including an Early parser, a Swing GUI and access to VoiceXML grammars.
- 1997-1998**      **Web and Multimedia Developer.** NC Editorial S.R.L. Design, programming and management of projects including a city information system (3000+ lines of Delphi) and multimedia kiosks running promotional video games.
- Summer 1997**    **Sysadmin.** Internship, Architecture School. Installation of new UNIX and Linux servers. Localization to Spanish of main functionality of mail reader program 'pine' from University of Washington.
- Fall 1995**        **Developer.** QPlus Consultores S.R.L. Simulation and modeling software, Statistics module (complex SQL statements joining multiple tables) and Print managing modules (including checks printing). 5000 lines of Visual Basic.

#### Teaching Experience

Advisor

- 2011-2012**      Supervised undergraduate thesis student Daniel Bridera (joint w/Lic. Dominguez)  
Topic: *Template Induction for Natural Language Generation*, FaMAF-UNC.
- 2011-2012**      Supervised undergraduate thesis student Fabián Pacheco (joint w/Lic. Dominguez)  
Topic: *Large Scale Eval of Referring Expression Generators*, FaMAF-UNC.
- 2002-2004**      Supervised undergraduate thesis student Paula Estrella (joint w/Dr. Bustos)  
Topic: *Machine Translation for E-Commerce*, FaMAF-UNC.
- 2001-2002**      Supervised undergraduate thesis student Jimena Costa (joint w/Dr. Tamarit)  
Topic: *Encoding Semantic Networks by Symbol Recirculation*, FaMAF-UNC.
- 1999-2001**      Supervised undergraduate thesis student Jose Norte  
Topic: *State Senate IS: Effective Communication with NGOs*, UES21.
- 2000-2005**      Supervised 5+ undergraduate research project students, as part of the CU Project Liasion that let undergraduates pursue research projects for credit

		Instructor
<i>Spring 2011</i>	Visiting Lecturer, <i>Machine Learning over Large Datasets</i> , (Graduate course, semester long) Facultad de Matematica Astronomia y Fisica (FaMAF-UNC), Argentina	
<i>Fall 2014</i>	Visiting Lecturer, <i>Introduction to Natural Language Generation</i> , (Graduate course, semester long) Facultad de Matematica Astronomia y Fisica (FaMAF-UNC), Argentina	
<i>Fall 2001</i>	Instructor, <i>Data Structures in Java</i> , Columbia University	
<i>Summer 2001</i>	Instructor, <i>Algorithms &amp; Data Structures in Java</i> , Columbia University	
<i>1998-1999</i>	Instructor, <i>Operating Systems, Programming (C++ and Java)</i> , Universidad Empresarial Siglo 21, Córdoba, Argentina	
		Teaching Assistant
<i>Fall 2003</i>	TA, <i>Video Game Technology And Design</i> (Prof. B. Yee and D. Sturmman)	
<i>Summer 2002</i>	TA, <i>Artificial Intelligence</i> (Prof. A. Kosoresow), Columbia University	
<i>Spring 2001</i>	TA, <i>Computational Genomics</i> (Prof. W. Noble), Columbia University	
<i>1996-1999</i>	TA, <i>Operating Systems, Discrete Mathematics, Software Engineering</i> , Facultad de Matematica Astronomia y Fisica (FaMAF-UNC), Argentina	

#### Volunteer Activities

<i>2014</i>	Data Science Cordoba meetup founder and organizer.
<i>2014</i>	NaturalNode Free software project (NLP tools for node.js). Committer.
<i>2013</i>	Poisson Magique Free software project. Founder. <a href="http://poissonmagique.net">http://poissonmagique.net</a>
<i>2013</i>	Thoughtland Free software project. Founder. <a href="http://thoughtland.duboue.net">http://thoughtland.duboue.net</a>
<i>2012</i>	Keywords for bytetimes Free software project. Founder. <a href="http://keywords4bytetimes.org">http://keywords4bytetimes.org</a>
<i>2012-2013</i>	24 pull requests challenge. Finished 24 small Free software contributions during December.
<i>2011</i>	Listoso Mailing list translation site. Founder. <a href="http://listoso.com">http://listoso.com</a>
<i>2010-present</i>	Full voting member at <i>Les Laboratoires Foulab</i> , Montreal premier hackerspace.
<i>2009-present</i>	Debian GNU/Linux contributor. Contributing to the Debian Conference local-team for fundraising and the Debian Java maintainers team.
<i>2009-2010</i>	NY Linux User Group. Corporate sponsor liason.
<i>2005-2007</i>	IBM Latin Diversity Club. Volunteered in activities promoting minority primary school children into pursuing a career in sciences and engineering.
<i>2000-2004</i>	Columbia University, volunteer duties: sysadmin for the NLP group, departmental photographer ('00-'02) and webmaster ('03)

- 2001-2004 Volunteered in a number of conferences, including HLT-NAACL 2004 (Webmaster), WWW 2004 (A/V), INLG 2002 (local arrangements), ACL 2002 (A/V), NAACL 2001 (A/V)
- 1996 Student representative at FaMAF-UNC Directive Board (voice and vote, year-long, student-elected position)

**Undergraduate Education**

- 1998 Undergraduate thesis *the Development of a Functional Parser for the Spanish Language* (advisor: Dr. Blanco). Written in Haskell, including a Web UI.
- 1987-1993 Attended Colegio Nacional de Monserrat high school, courses included Latin (5 yrs.), Ancient Greek (3 yrs.), **French (5 yrs.)** and Italian (3 yrs.)

**Achievements**

- 2014 Best Technical Paper Award, Canadian AI Conference, for *Filtering Personal Queries from Mixed-Use Query Logs*.
- 2006 IBM Long Term Incentive Award
- 2005 IBM Long Term Incentive Award
- 1999 Top 1% GRE Subject (Computer Science), 890/900
- 1999 Awarded Córdoba University Prize (equiv. to a *with honors* qualification)
- 1998 Selected as the School's flag escort (Computer Science best GPA)
- 1995 National college-level math competition *Ernesto Paenza*, ranked 11th best (teaming w/A. Andrada)
- 1988-1993 High-school level Argentine math olympiad, qualified for the nationals for five years in a row. Ranked 4th best at the 1993 national

**Publications**

**Patents**

- 2014 *System and Method of Expanding a Search Query*, P.A. Duboue, A Smirnov (disclosed).
- 2014 *Method of Naming Query Clusters*, A Smirnov, P.A. Duboue, A.F. Bressane Neto (disclosed).
- 2010 *Providing question and answers with deferred type evaluation using text with limited structure*, P.A. Duboue, J. Fan, D. Ferrucci, J.W. Murdock, C. Welty, W. Zadrozny, U.S. Patent Application US20120330934 A1.
- 2009 *System and Method for Questions and Answers Generation*, P.A. Duboue, D. Ferrucci, D.C. Gondek, J.W. Murdock, W. Zadrozny, U.S. Patent Application US20110125734 A1.

## Journals

- 2012 *A Framework for Merging and Ranking of Answers in DeepQA*, D. Gondek, A. Lally, A. Kalyanpur, J. W. Murdock, P.A. Duboue, L. Zhang, Y. Pan, Z. M. Qiu and C. Welty, IBM Journal of R&D, Vol. 56, Issue 3.4, 14:1 - 14:12.
- 2004 *GeneWays: A System for Extracting, Analyzing, Visualizing, and Integrating Molecular Pathway Data*, A. Rzhetsky, I. Iossifov, T. Koike, M. Krauthammer, P. Kra, M. Morris, H. Yu, P.A. Duboue, W. Weng, J. Wilbur, V. Hatzivassiloglou, and C. Friedman, Biomedical Informatics, Vol. 37, No. 1, Feb.
- 2001 *Disambiguating Proteins, Genes, and RNA in Text: A Machine Learning Approach*, V. Hatzivassiloglou, P.A. Duboue and A. Rzhetsky, Bioinformatics 17 Suppl 1:S97-106, PubMedID: 11472998.

## Conferences

- 2014 *Filtering Personal Queries from Mixed-Use Query Logs*. A.F. Bressane Neto, P. Desaulniers, P.A. Duboue, A. Smirnov. 27th Canadian Conference on Artificial Intelligence (also LNCS #8436), Montreal, Canada.
- 2012 *Bridging the Gap between Intrinsic and Perceived Relevance in Snippet Generation*. J. He, P.A. Duboue, J.-Y. Nie. 24th International Conference on Computational Linguistics (**COLING**), Mumbai, India.
- 2012 *Extractive email thread summarization: Can we do better than He Said She Said?* P.A. Duboue. International Natural Language Generation Conference (**INLG**), Starved Rock, IL.
- 2006 *Improving QA Accuracy by Question Inversion*, J.M. Prager, P.A. Duboue, J. Chu-Carroll, Annual Meeting of the Association for Computational Linguistics (**ACL**), Sydney, Australia.
- 2006 *Semantic Search via XML Fragments: A High-Precision Approach to IR*, J. Chu-Carroll, J.M. Prager, K. Czuba, D. Ferruci, P.A. Duboue, Annual ACM Conference on Research and Development in Information Retrieval (**SIGIR**), Seattle, WA.
- 2004 *Indirect Supervised Learning of Content Selection Rules*, P.A. Duboue, International Natural Language Generation Conference (**INLG**), New Forest, UK.
- 2003 *Statistical Acquisition of Content Selection Rules for Natural Language Generation*, P.A. Duboue, K.R. McKeown, Conference on Empirical Methods in Natural Language Processing (**EMNLP**), Sapporo, Japan.
- 2002 *Content Planner Construction via Evolutionary Algorithms and a Corpus-based Fitness Function*, P.A. Duboue, K.R. McKeown, International Natural Language Generation Conference (**INLG**), Ramapo Mountains, NY.
- 2001 *Empirically Estimating Order Constraints for Content Planning in Generation*, P.A. Duboue and K.R. McKeown, Annual Meeting of the Association for Computational Linguistics (**ACL**), Toulouse, France.

- 2013 Hunter Gatherer: UdeM at 1Click-2. P.A. Duboue, J. He, J.-Y. Nie. Proceedings of the 10th NTCIR Conference, Tokyo, Japan.
- 2013 *On the Feasibility of Automatically Describing n-dimensional Objects*. P.A. Duboue. Proceedings of the 14th European Workshop on Natural Language Generation, Sofia, Bulgaria.
- 2013 *Thoughtland: Natural Language Descriptions for Machine Learning n-dimensional Error Functions (demo)*. P.A. Duboue. Proceedings of the 14th European Workshop on Natural Language Generation, Sofia, Bulgaria.
- 2012 *On The Feasibility of Open Domain Referring Expression Generation Using Large Scale Folksonomies*, F. Pacheco, P.A. Duboue, M. Dominguez. NAACL-HLT Short Papers, Montreal, QC.
- 2011 *The GIVE-2.5 C Generation System*, D. Racca, L. Benotti, P. Duboue. EWNLG, GIVE Evaluation Challenge, Nancy, France.
- 2009 *Towards the Open Advancement of Question Answering Systems*, D. Ferrucci, E. Nyberg, J. Allen, K. Barker, E. Brown, J. Chu-Carroll, A. Ciccolo, P. Duboue, J. Fan, D. Gondek, E. Hovy, B. Katz, A. Lally, M. McCord, P. Morarescu, J.W. Murdock, B. Porter, J. Prager, T. Strzalkowski, C. Welty, W. Zadrozny, Hawthorne, NY, also IBM Research Report RC24789.
- 2006 *Answering the question you wish they had asked: The impact of paraphrasing for Question Answering*, P.A. Duboue, J. Chu-Carroll. HLT-NAACL Short Papers, New York, NY.
- 2006 *IBM in TREC 2006 Enterprise Track*, J. Chu-Carroll, G. Averboch, P.A. Duboue, D. Gondek, J.W. Murdock, J.M. Prager, Text REtrieval Conference (**TREC**), Gaithersburg, MD.
- 2005 *IBM's PIQUANT II in TREC2005*, J. Chu-Carroll, K. Czuba, P.A. Duboue, J.M. Prager, Text REtrieval Conference (**TREC**), Gaithersburg, MD.
- 2005 *Experiments on Language Normalization for Spanish to English Machine Translation*, P. Estrella, P.A. Duboue, Revista Iberoamericana de Inteligencia Artificial.
- 2004 *Distributed Ontological Encoding Through Symbol Recirculation*, M.J. Costa and P.A. Duboue, Argentine Symp. on Artif. Int. (**ASAI**).
- 2003 *ProGenIE: Biographical descriptions for Intelligence Analysis*, P.A. Duboue, K.R. McKeown and V. Hatzivassiloglou, NSF/NIJ Symposium on Intelligence and Security Informatics (**ISI**), Tucson, AZ.
- 2002 *Building a Foundation System for Producing Short Answers to Factual Questions*, S. Pradhan, G. Illouz, S. Blair-Goldensohn, A. Schlaikjer, V. Krugler, E. Filatova, P.A. Duboue, H. Yu, R. Passonneau, S. Bethard, V. Hatzivassiloglou, W. Ward, D. Jurafsky, K.R. McKeown, J. Martin, Text REtrieval Conference (**TREC**), Gaithersburg, MD.

- 2001      *Poster Re-engineering an Inference Engine to Support Continuous Quality Improvement*, P.A. Duboue, D. Jordan and K.R. McKeown, Annual Symposium of the American Association of Medical Informatics (**AMIA**).
- 1999      *Using Lexical Functional Grammars for Natural Language Systems*, J. Blanco and P.A. Duboue, Argentine Symp. on Artif. Int. (**ASAI**), B. Aires, Argentina.
- 1999      *A Functional and Lexical Parser*, J. Blanco and P.A. Duboue, Latinoamerican Conference in Functional Languages (**CLAPF**), Recife, Brasil.
- 1999      *ObjectDtree: A Simulation Tool for Business-like Scenarios*, D. Blank and P.A. Duboue, Argentine Symp. of Model and Simulation, B. Aires Argentina.
- 1996      *Desarrollo de un Generador de Simulaciones Dinámicas por Especificaciones Visuales*, D. Blank, N. Bruno, and P.A. Duboue, IX Computer Applications International Symposium (**INFONOR**), Antofagasta, Chile.

## Talks

- Feb 2015      *NLG for Statistical Reports*, Mtl Data meetup, Montreal, QC.
- Sep 2014      *Apache UIMA y el Sistema Watson Jeopardy!*, Córdoba TechDay, Córdoba, Argentina.
- Aug 2014      *El Hackerspace como Santuario de la Cultura Frikí*, Frikiloquio 2014, Buenos Aires, Argentina.
- Mar 2014      *Apache UIMA y el Sistema Watson Jeopardy!*, Universidad Tecnológica Nacional, Córdoba, Argentina.
- Feb 2014      *Apache UIMA and the Watson Jeopardy! System*, Montreal Big Data meetup, Montreal, QC.
- Dec 2013      *Poisson Magique project et introduction à le cadre de logiciel "Lamson"*, Montreal Python meetup, Montreal, QC.
- Aug 2013      *Machine learning for hackers and why it matters for Free Software*, Observe, Hack, Make hackercamp, Oudkarspel, Netherlands.
- Aug 2013      *24 pull requests: what/how/why (lighting talk)*, Observe, Hack, Make hackercamp, Oudkarspel, Netherlands.
- Aug 2013      *Machine Learning in Javascript (lighting talk)*, Observe, Hack, Make hackercamp, Oudkarspel, Netherlands.
- Aug 2013      *Thout: a javascript distributed content system (lighting talk)*, Observe, Hack, Make hackercamp, Oudkarspel, Netherlands.
- Feb 2013      *Hunter-Gatherer, a 1-Click Summarizer*, Montreal Python meetup, Montreal, QC.
- Jul 2012      *Machine learning threats and opportunities for Debian and Free Software*, DebConf12, Managua, Nicaragua.



- Jul 2012*      *Reigning over high-volume Debian e-mails*, DebConf12, Managua, Nicaragua.
- Jun 2012*      *Predicting English keywords from Java Bytecodes using Machine Learning*, Recon 2012, Montreal, QC.
- Jun 2012*      *Panel on commercial applications of NLG*, INLG 2012, Starved Rock, IL.
- Feb 2012*      *Computer Science in the times of high error rate: survival tips from the NLP trenches*, Graduate Students Seminar Series, McGill Computer Science Dept.
- Nov 2011*      *NLG using PHP*, DevCamp Montreal, Montreal, QC.
- Oct 2011*      *Expériences de génération de langage avec PD*, pdmtl#44, Montreal, QC.
- Jun 2011*      *Un egresado de la FaMAF en el Jeopardy!/IBM Challenge*, FaMAF-UNC, Córdoba, Argentina.
- Apr 2011*      *NLG Opportunities in FLOSS*, Workshop NLG FaMAF-UNC, Córdoba, Argentina.
- Apr 2011*      *Introducción al Procesamiento de Lenguaje Natural con NLTK*, (Joint talk with Rafael Carrascosa from FaMAF-UNC), PyDay Córdoba, UTNRC, Argentina.
- Jan 2011*      *Introduction to the Natural Language Toolkit*, Montreal Python meetup, Montreal, QC.
- Dec 2010*      *Apache UIMA and Academic Research*, Grupo de PLN FaMAF, Córdoba, Argentina.
- Aug 2010*      *A Battle Cry for a System-level JVM in Debian*, DebConf10, New York, NY.
- Aug 2010*      *What if... we could automatically test our textual instructions?* DebConf10, New York, NY.
- Mar 2010*      *How do Free Software ideals relate to Cloud Services?* (Joint talk with Richard Darst from Debian-NYC), BarCampNYC5, New York, NY.
- Feb 2010*      *Unstructured Information Processing with Apache UIMA*, NYC Search and Discovery Meetup, New York, NY.
- May 2009*      *Natural Language Generation Tutorial*, BarCamp NYC, New York, NY.

- Nov 2006 *Computadoras, idiomas, gobiernos y fuentes laborales*, Jornadas de Ciencia y Sociedad a los 50 Años de FaMAF, Córdoba, Argentina.
- Sep 2004 *Indirect Supervised Learning of Content Selection Rules*, ICCS/HCRC Seminar, University of Edinburgh, UK.
- Sep 2004 *Indirect Supervised Learning of Content Selection Rules*, ITRI, University of Brighton, UK.
- Sep 2004 *Indirect Supervised Learning of Content Selection Rules*, Language Computer Corp., Dallas, TX.
- Aug 2004 *Indirect Supervised Learning of Content Selection Rules*, BBN Technologies, Cambridge, MA.
- Aug 2004 *Indirect Supervised Learning of Content Selection Rules*, University of Maryland (for Army Research Lab), College Park, MD.
- Jul 2004 *Indirect Supervised Learning of Content Selection Rules*, Cambridge NLP group, Cambridge, UK.
- Jun 2004 *Indirect Supervised Learning of Content Selection Rules*, NYU NLP group, New York, NY.
- Apr 2004 *Indirect Supervised Learning of Content Selection Rules*, AT&T Labs – Research, Florham Park, NJ.
- Jun 2003 *L’Apprenant de Schemas pour la Structuration Rhétorique du Génération Automatique du Textes*, LIMSI, Orsai, France.
- Aug 2002 *Learning for Content Planning in Generation*, FaMAF-UNC, Córdoba, Argentina.
- Aug 2002 *Word Sense Disambiguation in Molecular Biology Texts*, FaMAF-UNC, Córdoba, Argentina.
- Oct 2000 *Word Sense Disambiguation in Molecular Biology Texts*, IBM Open House, IBM T.J. Watson Research Center, Hawthorne, NY.
- May 2000 *Word Sense Disambiguation in Molecular Biology Texts*, Universidad Empresarial Siglo 21, Córdoba, Argentina.
- Mar 1999 *Simulación de entornos transaccionales distribuidos*, jointly with Eng. D. Blank, Internet World Córdoba ’99, Córdoba, Argentina.
- Nov 1998 *Tutorial en Comercio Electrónico*, XI Computer’s Panel, Universidad Nacional de Asunción, Paraguay.

## Skills

- Languages* Spanish (mother tongue), English, French, Portuguese, Italian (basic), Chinese Mandarin (beginner), American Sign Language (basic)