

CURRICULUM VITAE

LAURA ALONSO I ALEMANY

PERSONAL DETAILS

*date of birth:* august 18th 1977  
*place of birth:* Barcelona (Spain)  
*web site:* <http://cs.famaf.unc.edu.ar/~laura>  
*contact telephone:* +54 351 433 4051 - Int. 414 / +54 (9) 351 (15) 636 14 75  
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CURRENT POSITION

*from 2005*

Professor at the Computer Science Section at the Faculty of Mathematics, Astronomy and Physics (FaMAF) at the Universidad Nacional de Córdoba, Argentina.  
(*Profesor Adjunto Dedicación Exclusiva*)

EDUCATION

- 2005 **PhD thesis in Computational Linguistics**  
*Representing Discourse for Automatic text Summarization via Shallow NLP Techniques*  
Department of General Linguistics  
Universitat de Barcelona  
Advisors:  
Irene Castellón (Department of General Linguistics, Universitat de Barcelona)  
Lluís Padró (Software Department, Universitat Politècnica de Catalunya)
- 2001 **Master Thesis in Computational Linguistics**  
*An approach to Automatic Text Summarization via Discourse Markers*  
Interuniversity Doctorate in Cognitive Science and Language, Spain
- 1999 **Degree in General Linguistics**  
Universitat de Barcelona

TRAINING

- 2006 - 2008 **Post-Doctoral Scholarship Beatriu de Pinós**  
Natural Language Processing Group, InCo, UdelaR, Uruguay  
granted by the **Catalan Agency for Universities and Research** (AGAUR)  
Project: Data Driven Characterization of Discourse Markers for Shallow NLP
- 2000 - 2004 **Scholarship of the Spanish Ministry for Science and Technology**  
Research Staff Training Programme  
Project: *Integration of Linguistic Resources for Information Extraction from Textual Corpora and Dictionaries*  
Department of General Linguistics, Universitat de Barcelona
- 1999 - 2000 **Scholarship of the Universitat de Barcelona**  
Assistance to Research  
Project: *LEXESP-III: Computerized Database of Spanish*

## PROFESSIONAL ACTIVITIES

### TEACHING

- 2018-11      *Programming Languages*  
Degree on Computer Science, FaMAF – UNC
- 2017, 10, 08      *Text Mining*  
Short Specialization Course, SADIO (Argentinean Society on Operative Investigation)
- 2017      *Foundations of Argumentation for Argument Mining*  
European Summer School on Logic, Language and Information, ESSLLI 2017
- 2013, 07      *Natural Language Processing*  
Degree and Doctorate on Computer Science, FaMAF – UNC
- 2012, 10, 09      *Artificial Intelligence*  
Degree and Doctorate on Computer Science, FaMAF – UNC
- 2010      Workshop on Methods and Tools for NLP  
ELiC - ECI, Faculty of Exact and Natural Sciences, Faculty of Engineering, UBA
- 2010, 09, 08      *Document Engineering*  
Postgraduate Programme on Distributed Systems, FaMAF – UNC
- 2010-06      *Introduction to Algorithms and Data Structures*  
Degree on Computer Science, FaMAF – UNC
- 2009      *Web Mining*  
Masters on Data Mining and Knowledge Discovery  
Faculty of Exact and Natural Sciences, Faculty of Engineering, UBA
- 2008, 06      *Text Mining*  
Degree and Doctorate on Computer Science, FaMAF – UNC
- 2008      *Text Mining*  
tutorial, JAIIO-CLEI'08
- 2008, 07      *Operating Systems*  
Degree on Computer Science, FaMAF – UNC
- 2006      *Discourse in NLP*  
Degree on Computer Science  
Department of Computing Sciences, Universidad de la República, Uruguay
- 2005      *Introduction to Natural Language Processing*  
RIO Summer School on Computation, Universidad de Río Cuarto
- 2004      *Development of a Shallow Dialogue Parsing Engine*  
*Dialogue Systems* course within the *Graduate Programme in Logic*  
Institute for Logic, Language and Computation (ILLC), Universiteit van Amsterdam
- 2004      *Computational Linguistics II*  
Undergraduate Program on General Linguistics  
Faculty of Philology, Universitat de Barcelona
- 2003      *An Algorithmic Approach for Logical Programmers*  
Interuniversity Doctorate on Cognitive Science and Language, Universitat de Barcelona

## SUPERVISION

### Graduate Theses

- from 2015 PhD Thesis (co-advising with Marcelo Errecalde, UNSL)  
Doctorate Programme on Computer Science, FaMAF, UNC  
Milagro Teruel. *Estudio de Mejoras en Aprendizaje Automático para Procesamiento del Lenguaje Natural*  
*funded by:* Conicet Argentina (5-year scholarship)
- from 2013 PhD Thesis  
Doctorate Programme on Computer Science, FaMAF, UNC  
Cristian Cardellino. *Estudio de mejoras en sistemas de Extracción de Información.*  
*funded by:* Conicet Argentina (5-year scholarship)
- 2009 Graduate Thesis (“*Trabajo Integrador*”)  
Graduate Programme on Distributed Services and Systems, FaMAF, UNC  
Matías Bordese. *Comparativa sobre Compresión en XML*

### Graduation Theses (“*Tesis de Grado*”) Computer Science, FaMAF, UNC

- 2015 Tomás Moreyra. *Análisis exploratorio de datos basado en detección de anomalías.*
- 2014 Milagro Teruel. *Aprendizaje activo para clasificación de preguntas.*
- Matías Bordone. *Sincronización automática de movimientos labiales para programas de animación mediante análisis de audio en español.*
- 2013 Ramiro Alurralde y Julián Bigatti. *Un sistema experto para la exploración de sábanas telefónicas en investigaciones policiales.*
- Cristian Cardellino. *Tratamiento de lexicones verbales para su integración en extracción de información.*
- 2010 César Bernardini. *Reconocimiento de Actividades Físicas de Usuarios de Dispositivos Móviles.*
- Santiago Videla. *Diseño de vacunas atenuadas con menor probabilidad de sufrir reversión a la virulencia.*
- Andrés Peralta and Ezequiel Vélez. *Generación de recomendaciones para terapias antivirales del VIH.*
- 2009 Santiago Bruno. *Descubrimiento de relaciones entre entidades de texto biomédico usando bootstrapping.*
- Romina Altamirano. *Adquisición de Subcategorización Verbal Asociada a Piezas Léxicas.*
- 2007 Martín Rezk. *Modelos formales de relaciones de parentesco para Generación de Lenguaje Natural mediante inferencia.*

## PARTICIPATION IN RESEARCH PROJECTS

- 2018 – 2021 TAGFACT: From text to knowledge: factuality and degrees of certainty in Spanish  
*funded by* Ministerio de Economía, Industria y Competitividad, España
- 2016 – 2020 MIREL: MIning and REasoning with Legal texts  
Research and Innovation Staff Exchange (RISE) Call:H2020-MSCA-RISE-2015  
*funded by* Marie Skłodowska-Curie Actions (European Cooperation in Science and Technology)  
*related publications:* Teruel et al. (2018), Teruel et al. (2017a), Teruel et al. (2017b),  
Teruel et al. (2017c)
- 2014 – 2018 TEXTLINK: Structuring Discourse in Multilingual Europe  
ISCH COST Action IS1312  
*funded by* COST (European Cooperation in Science and Technology)
- 2014 – 2015 RiTA: Rich Textual Analysis  
type of participation: main researcher  
*funded by* STIC-Amsud and MinCyT Argentina  
*related publications:* Cardellino et al. (2015b)
- 2013 – 2015 SKATER: Scenario Knowledge Acquisition by Textual Reading  
*funded by* el Ministerio de Economía y Competitividad de España  
*related publications:* Cardellino and Alonso (2013), Cardellino et al. (2015a)
- 2010 – 2012 KNOW2: Language understanding technologies for multilingual domain-oriented  
information access TIN2009-14715-C04  
*funded by* el Ministerio de Ciencia e Innovación de España  
*related publications:* Aguilar et al. (2010), Aguilar et al. (2011)
- 2009 – 2013 Minería de datos en texto semi-estructurado  
PICT-PAE, *funded by* FONCyT, Argentina  
type of participation: main researcher  
related publications: Alonso and Carrascosa (2011a), Alonso and Carrascosa (2011b),  
Alonso (2010), Altamirano and Alonso (2010), Alonso and Infante (2010)
- 2008 - 2009 MICROBio: Merging, InduCing and Reasoning with Ontologies in BIOinformatics  
related publications: Alonso and Bruno (2009)
- 2008 – 2012 Aprendizaje de Lenguajes Complejos  
PICT-06, *funded by* FONCyT, Argentina
- 2006 - 2008 KNOW: Development of large scale multilingual technologies for language understanding  
related publications: Agirre et al. (2009), Alonso et al. (2009) Castellón et al (2008),  
Alonso et al. (2007), Alonso et al. (2007), Alonso et al. (2007)
- 2004 - 2006 SENSEM: *Development of a database of sentential semantics* BFF2003-06456  
related publications: Alonso et al. (2005), Vázquez et al. (2005), Alonso et al. (2006),  
Castellón et al. (2006), Vázquez et al. (2006)
- 2005 – 2008 CHIL: *Computers in the Human Interaction Loop* IP 506909 (VI Framework Programme)  
related publications: Fuentes et al. (2005)
- 2001 - 2003 PETRA: *Oral Interfaces for Advanced Unified Messaging Applications*  
related publications: Alonso et al. (2004c), Alonso et al. (2003b), Alonso et al. (2003c)
- 2001 - 2003 HERMES: *Electronic Libraries with Multilingual Information Retrieval Semantic Processing*  
related publications: Alonso and Fuentes (2002), Alonso and Fuentes (2003),  
Fuentes et al. (2003)

## ORGANIZATION OF SCIENTIFIC EVENTS

- 2017 *Escuela Argentina de Inteligencia Artificial, EAIA 2017*  
URL: <https://sites.google.com/view/eaia2017>
- 2015 *Workshop on Replicability and Reproducibility in Natural Language Processing: adaptive methods, resources and software at IJCAI 2015*  
URL: <https://sites.google.com/site/adaptivenlp2015/>
- 2014 *ToRPorEsp: Workshop on Tools and Resources for Automatically Processing Portuguese and Spanish*  
URL: <https://sites.google.com/site/torporesp/>
- 2013 42 JAIIO (Jornadas Argentinas de Informática)  
URL: <http://www.42jaiio.org.ar>  
type of participation: general co-chair
- 2012 *NLP can u tag #user\_generated\_content?! via lrec-conf.org*  
workshop at LREC conference  
URL: <http://nlp4ugc.barcelonamedia.org>  
type of participation: organising committee
- 2011 ASAI 2011, XII Argentine Symposium on Artificial Intelligence  
URL: <http://www.40jaiio.org.ar/asai-intro>  
type of participation: co-chair
- 2010 *Workshop on Natural Language Processing and Web-based technologies*  
held in conjunction with IBERAMIA 2010  
URL: <http://cs.famaf.unc.edu.ar/~laura/nlpw>  
type of participation: co-chair
- 2010 *ELiC-1 Escuela de Lingüística Computacional*  
URL: <http://www.glyc.dc.uba.ar/elic2010>  
type of participation: co-organizer
- 2006 *International Workshop on Logic, Language, Statistics and Other Plants*  
FaMAF, Universidad Nacional de Córdoba, Argentina  
URL: [www.cs.famaf.unc.edu.ar/~pln/workshop06/index.html](http://www.cs.famaf.unc.edu.ar/~pln/workshop06/index.html)  
type of participation: co-organizer
- 2005 *International Workshop on Discourse and Other Particles*  
Department of General Linguistics, Universitat de Barcelona, Barcelona  
URL: [http://www.ub.edu/ling/discourse\\_particles/](http://www.ub.edu/ling/discourse_particles/)  
type of participation: co-organizer
- 2004 *ESSLLI'04 Student Session*  
16th European Summer School for Logic, Language and Information, Nancy (France)  
URL: <http://lalonso.sdf-eu.org/stusESSLLI04/>  
type of participation: co-chair
- 2004 *ACL'04 Student Volunteer Programme*  
42nd Meeting of the Association for Computational Linguistics, Barcelona  
type of participation: general coordination
- 2002, 2003 *II Workshop on Research in Linguistics*  
Department of General Linguistics, Universitat de Barcelona, Barcelona  
type of participation: co-organizer

## SERVICE IN PROGRAMME COMMITTEES

- since 2002 *Sociedad Española para el Procesamiento del Lenguaje Natural*  
since 2006 *ASAI, Argentine Symposium on Artificial Intelligence*  
since 2011 *STIL, Brazilian Symposium in Information and Human Language Technology*  
since 2012 *ProPor, International Conference on Computational Processing of the Portuguese Language*  
since 2013 *CLEI, Conferencia Latinoamericana en Informática*  
since 2016 *ACL 2016*  
since 2013 *EMNLP, Empirical Methods on Natural Language Processing*  
2018, 17, 11 *PICT FonCyT, Fondo para la Investigación Científica y Tecnológica, Argentina*  
*IBERAMIA 2016, 16th Ibero-American Conference on Artificial Intelligence (NLP track co-chair)*  
2015 *RANLP 2015 Workshop on Language and Semantic Technology for Legal Domain (LST4LD)*  
*Language Resources and Evaluation Journal, Special Issue on Replicability and Reproducibility*  
2014 *IBERAMIA 2014, 14th Ibero-American Conference on Artificial Intelligence*  
2013 *NWO, the Dutch Research Council – VIDI Humanities programme*  
*WASI, Workshop Argentino de Sistemas Inteligentes*  
*RANLP Adapt4CloseLang, workshop on closely related languages*  
2012 *COLING 2012*  
*Discours e-journal*  
*FondeCyT, Comisión Nacional de Investigación Científica y Tecnológica, Chile*  
*Second Argentinian Workshop on Natural Language Processing*  
*CLEej Electronic Journal of the Latin-american Center for Informatics Studies*  
2010 *1st Workshop on NLP Tools Applied to Discourse Analysis in Psychology*  
2008 *Student Session, European Summer School for Logic, Language and Information (ESSLLI'08)*  
*Workshop on Formal and Experimental Approaches to Discourse Particles and Modal Adverbs*  
2007 *Student Session, Meeting of the Association for Computational Linguistics (ACL'07)*  
*Recent Advances in Natural Language Processing (RANLP'07)*  
*Technical Committee Member of LACCIR*  
*(Latin American and Caribbean Collaborative ICT Research Federation)*  
2004 *Empirical Methods in Natural Language Processing (EMNLP'04)*  
*Student Session, European Summer School for Logic, Language and Information (ESSLLI'04)*  
*Student Session, Meeting of the Association for Computational Linguistics (ACL'04)*  
2003 *Student Session, European Summer School for Logic, Language and Information (ESSLLI'03)*  
*Student Session, Conference of the European Chapter of the ACL (EACL'03)*

## PARTICIPATION IN EVALUATING COMMITTEES

### Graduate Evaluation

- Instituto de Computación, Universidad de la República, Uruguay  
2014 PhD candidate Fernando Balbachán  
Linguistics Doctorate Programme  
Facultad de Filosofía y Letras, Universidad de Buenos Aires, Argentina  
2013 PhD candidate Guillermo Moncecchi  
Computer Science Doctorate Programme  
Instituto de Computación, Universidad de la República, Uruguay  
2011 PhD candidate Aiala Rosá  
Computer Science Doctorate Programme  
Instituto de Computación, Universidad de la República, Uruguay  
2010 PhD candidate Rocío Cecchini  
Computer Science Doctorate Programme  
Department of Computer Science and Engineering, Universidad Nacional del Sur, Argentina

## INDUSTRIAL

- 2010 - now **technical leader at Machinalis**  
Natural Language Processing Projects  
Statistical Machine Translation, Information Extraction, Question Answering
- 2014 **consultant & instructor at Taller Technologies**  
Data Mining
- 2013 **consultant & instructor at Lempert**  
Data Mining for OSDE
- 2007 **consultant to Nuance**  
Refinement of an Analyzer for Catalan
- 2004 **consultant to Inxight Software Inc.**  
Development of a Morphological Analyzer for Catalan
- 1999 - 2000 **coordination of lexicographic projects**  
CLiC, Centre de Llenguatge i Computació, *spin-off*, Universitat de Barcelona

## SCIENTIFIC PUBLICATIONS

### 2018

Milagro Teruel, Cristian Cardellino, Fernando Cardellino, Laura Alonso Alemany and Serena Villata (2018). Increasing Argument Annotation Reproducibility by Using Inter-annotator Agreement to Improve Guidelines *11th edition of the Language Resources and Evaluation Conference (LREC 2018)*.

### 2017

Milagro Teruel, Cristian Cardellino, Laura Alonso Alemany and Serena Villata (2017a). A Low-cost, High-coverage Legal Named Entity Recognizer, Classifier and Linker. *The 16th International Conference on Artificial Intelligence and Law (ICAIL 2017)*.

Milagro Teruel, Cristian Cardellino, Laura Alonso Alemany and Serena Villata (2017b). Legal NERC with ontologies, Wikipedia and curriculum learning. *Proc. of European Chapter of the Association for Computational Linguistics (EACL), 2017*.

Milagro Teruel, Cristian Cardellino, Laura Alonso Alemany and Serena Villata (2017c). Learning Slowly To Learn Better: Curriculum Learning for Legal Ontology Population. In *Proc. of the 30th Florida Artificial Intelligence Research Society (FLAIRS 2017)*.

### 2015

Cristian Cardellino, Serena Villata, Laura Alonso Alemany and Elena Cabrio (2015). Improvements in Information Extraction in Legal Text by Active Learning. *JURIX 2015*.

Cardellino, Cristian, Milagro Teruel and Laura Alonso Alemany (2015). Reversing uncertainty sampling to improve active learning schemes. *ASAI 2015*.

Cardellino, Cristian, Milagro Teruel and Laura Alonso Alemany (2015). Combining semi-supervised and active learning to recognize minority senses in a new corpus. Workshop on Replicability and Reproducibility in Natural Language Processing: adaptive methods, resources and software at IJCAI 2015.

Cristian Cardellino, Serena Villata, Laura Alonso Alemany and Elena Cabrio (2015). Information Extraction with Active Learning: A Case Study in Legal Text. CiCLing (2) 2015: 483-494.

Manoiloff, Laura, Maria Constanza Carando, Maria Cecilia Defagó, Laura Alonso Alemany, Cecilia Ferrero, Daiana Cesaretti, Adrián Ramirez and Juan Seguí (2015). The cognitive processing of syntactic information: a study of relative clauses with subject and object extraction in Spanish. *3rd Anpoll Psycholinguistics Congress (3rd IPC in Rio)*.

## 2013

Cardellino, C., L. Alonso Alemany (2013). SuFLexQA: an approach to Question Answering from the lexicon. In ASAI'13.

## 2011

Aguilar, N., L. Alonso Alemany, M. Lloberes and I. Castellón (2011). Resolving prepositional phrase attachment ambiguities in Spanish with a classifier. Procesamiento del Lenguaje Natural n. 46, ISSN: 1135-5948.

Alonso Alemany, L., and R. Carrascosa (2011a). Investigations on the normalization of user-generated text. Second Argentinian Workshop on Natural Language Processing.

Alonso Alemany, L., and R. Carrascosa (2011a). A system for adaptive information extraction from highly informal text. NLDB'2011 (16th International Conference on Applications of Natural Language to Information Systems). LNCS

## 2010

Fuentes Fort, M., M. González and L. Alonso Alemany. (2010). Natural Language Processing Interactive Multimodal Systems. In Workshop PLN en Empresas: Visionando los Próximos 10 Años at SEPLN'10

Alonso Alemany, L. (2010). Learning the costs for a string edit distance-based similarity measure for abbreviated language. In ASAI'10.

Aguilar, N., L. Alonso Alemany, M. Lloberes and I. Castellón (2010). Resolving prepositional phrase attachment ambiguities in Spanish with a classifier. *submitted* In Workshop on Natural Language Processing and Web-based technologies at IBERAMIA 2010.

Altamirano, R., and L. Alonso Alemany (2010). IRASubcat, a highly parametrizable, language independent tool for the acquisition of verbal subcategorization information from corpus. In NAACL-HLT Young Investigators Workshop .

Alonso Alemany, L., and G. Infante-Lopez (2010). Data-driven computational linguistics at FaMAF-UNC, Argentina. In NAACL-HLT Young Investigators Workshop .

## 2009

Agirre, E., G. Rigau, I. Castellón, L. Alonso Alemany, S. Climent, L. Padro, M. Cuadros, S. Climent and M. Coll-Florit (2009). KNOW: Developing large-scale multilingual technologies for language understanding. In SEPLN'09.

Alonso Alemany, L. and S. Bruno (2009). Learning to learn biological relations from a small training set. In CiCLing'09.

Alonso Alemany, L., I. Castellón, E. Laparra and G. Rigau (2009). Evaluación de métodos semi-automáticos para la conexión entre FrameNet y SenSem. In SEPLN'09.



## 2008

Castellón, I., L. Alonso Alemany, and N. T. Tincheva (2008). A procedure to automatically enrich verbal lexica with subcategorization frames. Lawrence Mandow (ed.), Inteligencia Artificial. Málaga (España):, 12:37, p. 45-53. ISSN: 1137-3601

## 2007

Alonso Alemany, L., I. Castellón, and N. Tincheva (2007). Obtaining coarse-grained classes of subcategorization patterns for Spanish. In RANLP'07.

Alonso Alemany, L., I. Castellón, and N. Tincheva (2007). Inducción de clases de comportamiento verbal a partir del corpus SENSEM. In SEPLN'07.

Castellón, I., L. Alonso Alemany and N. Tincheva (2007). A procedure to automatically enrich verbal lexica with subcategorization frames. In ASAI'07.

Rezk, M., and L. Alonso Alemany (2007). Designing topic shifts with graphs. Revista Iberoamericana de Inteligencia Artificial, vol. 11, n. 36, Special Issue for the TIL'06 Workshop.

## 2006

Alonso Alemany, L., I. Castellón, and N. Tincheva (2006). Detección automática de errores en el corpus sensem. In Congreso de la Asociación Española de Lingüística Aplicada (AESLA'06).

Castellón, I., A. Fernández-Montraveta, G. Vázquez, L. Alonso Alemany, and J. Capilla (2006). The sensem corpus: a corpus annotated at the syntactic and semantic level. In 5th International Conference on Language Resources and Evaluation (LREC 2006).

Vázquez, G., L. Alonso Alemany, J. Capilla, I. Castellón, and A. Fernández-Montraveta (2006). Sensem: sentidos verbales, semántica oracional y anotación de corpus. In SEPLN'06.

Rezk, M., and L. Alonso Alemany (2006). Designing topic shifts with graphs. In 4th Workshop on Information and Human Language Technology (TIL 2006), in conjunction with IBERAMIA '06, Ribeirão Preto, SP, Brazil

## 2005

Alonso Alemany, L., J. Capilla, I. Castellón, A. Fernández-Montraveta, and G. Vázquez (2005). The SenSem project: syntactico-semantic annotation of sentences in Spanish. In Recent Advances in Natural Language Processing (RANLP'05).

Fuentes, M., E. González, H. Rodríguez, J. Turmo, and L. Alonso Alemany (2005). Summarizing spontaneous speech using general text properties. In H. Saggion (Ed.), Crossing Barriers in Text Summarization Research, workshop at RANLP'05.

Vázquez, G., A. Fernández-Montraveta, and L. Alonso Alemany (2005). Description of the guidelines for the syntactico-semantic annotation of a corpus in Spanish. In Recent Advances in Natural Language Processing (RANLP'05).

## 2004

Alonso Alemany, Laura, Ezequiel Andújar Hinojosa, and Robert Sola Salvatierra (2004b). A framework for feature-based description of low level discourse in discourse annotation. In B. Webber and D. Byron (Eds.), Workshop on Discourse Annotation. ACL'04.

Alonso Alemany, Laura, Bernardino Casas, Irene Castellón, and Lluís Padró (2004c). Knowledge-intensive automatic e-mail summarization in CARPANTA. In Proceedings of the 42nd meeting of the Association for Computational Linguistics. ACL'04. demo session.

Alonso Alemany, Laura, Irene Castellón, Jordi Escribano, Xavier Messeguer, and Lluís Padró (2004d). Discovering discourse patterns by multiple sequence alignment. In 4th International Conference on Language Resources and Evaluation (LREC 2004).

Alonso Alemany, Laura and Paul Egré (eds.) (2004). Proceedings of the 9th ESLLI Student Session.

Alonso Alemany, Laura, Maria Fuentes, Horacio Rodríguez, and Marc Massot (2004e). Re-using high-quality resources for continued evaluation of automated summarization systems. In 4th International Conference on Language Resources and Evaluation (LREC 2004).

Alonso Alemany, Laura, Jenna Shih, Irene Castellón, and Lluís Padró (2004). An analytic account of discourse markers for shallow NLP. M. Stede and H. Zeevat (Eds) Sprache und Datenverarbeitung, International Journal for Language Data Processing (28).

Fernández, Ana, Glòria Vázquez, Laura Alonso Alemany, and Irene Castellón (2004). A set of heuristics for semantic sentence disambiguation for Spanish. In 4th International Conference on Language Resources and Evaluation (LREC 2004).

## 2003

Alonso Alemany, Laura, Bernardino Casas, Irene Castellón, Salvador Climent, and Lluís Padró (2003a). CARPANTA eats words you don't need from e-mail. In SEPLN, XIX Congreso Anual de la Sociedad Española para el Procesamiento del Lenguaje Natural.

Alonso Alemany, Laura, Bernardino Casas, Irene Castellón, Salvador Climent, and Lluís Padró (2003b). Combining heterogeneous knowledge sources in e-mail summarization. In Recent Advances in Natural Language Processing (RANLP 2003), Borovets, Bulgaria.

Alonso Alemany, Laura, Irene Castellón, Salvador Climent, Maria Fuentes, Lluís Padró, and Horacio Rodríguez (2003). Approaches to text summarization: Questions and answers. Revista Iberoamericana de Inteligencia Artificial (20), 34–52.

Alonso Alemany, Laura and Maria Fuentes (2003). Integrating cohesion and coherence for text summarization. In Proceedings of the EACL'03 Student Session, Budapest, pp. 1–8.

Alonso Alemany, Laura, Jenna Shih, Irene Castellón, and Lluís Padró (2003). An analytic account of discourse markers for shallow NLP. In M. Stede and H. Zeevat (Eds.), The Meaning and Implementation of Discourse Particles, whorkshop at ESLLI'03.

Boleda, G. and Laura Alonso Alemany (2003). Clustering adjectives for class acquisition. In Proceedings of the EACL'03 Student Session, Budapest, Hungary, pp. 9–16.

Fuentes, Maria, Marc Massot, Horacio Rodríguez, and Laura Alonso Alemany (2003). Mixed approach to headline extraction for DUC 2003. In HLT/NAACL Workshop on Text Summarization / DUC 2003, Edmonton, Canada.

## 2002

Alonso Alemany, Laura, Irene Castellón, Karina Gibert, and Lluís Padró (2002, October). An empirical approach to discourse markers by clustering. In CCIA, Congrés Català d'Intel·ligència Artificial, Castelló. Springer-Verlag.

Alonso Alemany, Laura, Irene Castellón, and Lluís Padró (2002a). Design and implementation of a Spanish discourse marker lexicon. In SEPLN, Valladolid.

Alonso Alemany, Laura, Irene Castellón, and Lluís Padró (2002b). X-tractor: A tool for extracting discourse markers. In LREC 2002 workshop on Linguistic Knowledge Acquisition and Representation: Bootstrapping Annotated Language Data, Las Palmas, pp. 100–105.

Alonso Alemany, Laura, Irene Castellón, Lluís Padró, and Karina Gibert (2002, September). Discourse marker characterisation via clustering: extrapolation from supervised to unsupervised corpora. In SEPLN, Valladolid.

Alonso Alemany, Laura and Maria Fuentes (2002). Collaborating discourse for text summarisation. In Proceedings of the Seventh ESLLI Student Session.

## 2001

Alonso Alemany, Laura (2001b). A proposal for an automated text summarisation system: integrating rhetorical structure theory and entity detection and tracking. In S. Chaudiron and C. Fluhr (Eds.), III Colloque d'ISKO-France: Filtrage et résumé automatique de l'information sur les réseaux.

Alonso Alemany, Laura and Irene Castellón (2001, November). Towards a delimitation of discursive segment for natural language processing applications. In First International Workshop on Semantics, Pragmatics and Rhetoric, Donostia - San Sebastián.