

Curriculum Vitae

Biographical Data

Peter Paul Buitelaar

Date of Birth: September 23rd, 1963

Place of Birth: Rotterdam, the Netherlands

Nationality: Dutch

Education

1992-1998: PhD (Computer Science) *CoreLex: Systematic Polysemy and Underspecification* Dept. of Computer Science, Brandeis University, Waltham, USA

1986-1990: MA (Computational Linguistics) *Disambiguation with Lexical Knowledge in a Natural Language Interface to Databases* Dept. of Linguistics, University of Utrecht, the Netherlands

1983-1986: Dept. of German Language and Literature, University of Leiden, the Netherlands

Employment

January 2009 – now: **Senior Research Fellow & Adjunct Lecturer**, Digital Enterprise Research Institute (<http://deri.ie/>), National University of Ireland, Galway - head of the DERI Unit for Natural Language Processing (<http://nlp.deri.ie/>) and leader of the DERI Semantic Information Mining Stream (bringing together DERI research groups in Natural Language Processing and Information Retrieval); PI and coordinator of the EU project ‘Monnet: Multilingual Ontologies for Networked Knowledge’ (<http://www.monnet-project.eu/>); co-PI of the Irish project Lion-2, research lead on text mining for expert finding (<http://saffron.deri.ie/>); PI on EU COST action ‘MUMIA: Multilingual and Multifaceted Interactive Information Access’ (http://www.cost.esf.org/domains_actions/ict/Actions/mumia); co-PI on EU funded research network ‘Net2: A Network for Networked Knowledge’ (<http://net2.deri.ie/>); PhD supervision (see below for details);

March 1998 – December 2008: **Senior Researcher**, Language Technology Lab, Deutsches Forschungszentrum fuer Kuenstliche Intelligenz GmbH (<http://dfki.de>), Saarbrücken, Germany - co-head of the DFKI Competence Center Semantic Web; Coordinator of the EU/NSF project ‘MuchMore: Multilingual Concept Hierarchies for Medical Information Organization and Retrieval’ (<http://muchmore.dfki.de/>); co-PI of the German project ‘VieWs: Vernetzung von Information und Wissen in saarland.de’; Coordinator of the Special Interest Group on ‘Language Technology in Ontology Development and Use’ of the EU project Ontoweb; Research lead (on ontology-based text mining) of the German projects ‘Theseus-MEDICO: Towards Scalable Semantic Image Search in Medicine’ and ‘SmartWeb: Mobile Access to the Semantic Web’ and the EU project ‘K-Space: Knowledge-based Multimedia Analysis’; Senior researcher on the EU projects ‘DIRECT-INFO: Media Monitoring and Multimodal Analysis’, ‘MEMPHIS: Multilingual Content for Flexible Format Internet Services’, ‘MIETTA: Multilingual Information Extraction for Tourism and Travel Assistance’ and ‘OLIVE: Speech Based Video Retrieval’;

Dec. 1990 - Aug. 1992: **Researcher**, Department of Computer Science, Free University, Amsterdam, the Netherlands - researcher in the Dutch project ‘LIKE: Linguistic Instruments in Knowledge Engineering’

Publications

Books

Paul Buitelaar, Philipp Cimiano (Eds.) *Ontology Learning and Population: Bridging the Gap between Text and Knowledge* Frontiers in Artificial Intelligence and Applications Series, Vol. 167, IOS Press, Feb. 2008.

Bianca Falcidieno, Michaela Spagnuolo, Yannis Avrithis, Yiannis Kompatsiaris, Paul Buitelaar (Eds.) *SAMT 2007: 2nd International Conference on Semantics And digital Media Technologies* Lecture Notes in Computer Science, Vol. 4816, Springer, Dec. 2007.

Paul Buitelaar, Philipp Cimiano, Bernardo Magnini (Eds.) *Ontology Learning from Text: Methods, Evaluation and Applications* Frontiers in Artificial Intelligence and Applications Series, Vol. 123, IOS Press, July 2005.

Book Chapters

Yoshihiko Hayashi, Thierry Declerck, Nicoletta Calzolari, Monica Monachini, Claudia Soria, Paul Buitelaar (2011) *Language Service Ontology* In: Toru Ishida, Donghui Lin (eds.) *The Language Grid: Service-Oriented Collective Intelligence for Language Resource Interoperability* Cognitive Technologies series, Springer Verlag. ISBN 978-3-642-21177-5

Paul Buitelaar (2010) *Ontology-based Semantic Lexicons: Mapping between Terms and Object Descriptions* In: Chu-Ren Huang, Nicoletta Calzolari, Aldo Gangemi, Alessandro Oltramari, Alessandro Lenci, Laurent Prevot (eds.) *Ontology and the Lexicon: A Natural Language Processing Perspective* Cambridge Studies in Natural Language Processing, Cambridge University Press. ISBN-13: 9780521886598

Philipp Cimiano, Johanna Voelker, Paul Buitelaar (2010) *Ontology Construction* In: Nitin Indurkha (ed.) *Handbook of Natural Language Processing*. CRC Press, ISBN: 9781420085921

Daniel Sonntag, Pinar Wennerberg, Paul Buitelaar, Sonja Zillner (2009) *Pillars of Ontology Treatment in the Medical Domain* In: Yannis Kalfoglou (ed.) *Cases on Semantic Interoperability for Information Systems Integration: Practices and Applications*. Information Science Reference, IGI Global, ISBN: 978-1-60566-894-9

Nils Reiter, Paul Buitelaar (2009) *Lexical Enrichment of Biomedical Ontologies* In: Violaine Prince and Mathieu Roche (eds.) *Information Retrieval in Biomedicine: Natural Language Processing for Knowledge Integration*. Medical Information Science Reference, IGI Global. ISBN: 978-1-60566-274-9

Manuel Mueller, Michael Sintek, Paul Buitelaar, Saikat Mukherjee, Xiang Sean Zhou, Joerg Freund (2008) *Scalable Medical Image Understanding by Fusing Cross-Modal Object Recognition with Formal Domain Semantics* In: A. Fred, J. Filipe, and H. Gamboa (Eds.): *BIOSTEC 2008*, CCIS 25, pp. 390-401. Springer, Berlin Heidelberg

Paul Buitelaar, Bernardo Magnini, Carlo Strapparava, Piek Vossen (2006) *Domain-Specific Word Sense Disambiguation* In: Eneko Agirre and Phil Edmonds (eds.) *Word Sense Disambiguation: Algorithms and Applications*, pp. 275-298, Springer, Berlin Heidelberg

Graham Wilcock, Paul Buitelaar, Antonio Pareja-Lora, Barrett Bryant, Jimmy Lin, Nancy Ide (2004) *The Roles of Natural Language and XML in the Semantic Web* In: Chu-Ren Huang and Winfried Lenders (eds.) *Computational Linguistics and Beyond: Perspectives at the Beginning of the 21st Century*, Frontiers in Linguistics Series, Academia Sinica, Taiwan

Paul Buitelaar and Thierry Declerck (2003) *Linguistic Annotation for the Semantic Web* In: Siegfried Handschuh and Steffen Staab (eds.) *Annotation for the Semantic Web*, Frontiers in Artificial Intelligence and Applications Series, Vol. 96, IOS Press, Amsterdam, the Netherlands

Paul Buitelaar (1998) *CoreLex: An Ontology of Systematic Polysemous Classes* In: Formal Ontology in Information Systems. Proceedings of FOIS'98, Trento, Italy, June 6-8, 1998. IOS Press, Amsterdam, the Netherlands

Anne-Marie Mineur, Paul Buitelaar (1996) *A Compositional Treatment of Polysemous Arguments in Categorical Grammar* In: Kees van Deemter and Stanley Peters (eds.) Semantic Ambiguity and Underspecification, CSLI, Chicago University Press

Book Chapters – to appear

Paul Buitelaar *Web Semantics* In: Klaus von Heusinger, Paul Portner and Claudia Maienborn (eds.) Handbook of Semantics, HSK series, Mouton de Gruyter

Journal Articles - published

Pinar Wennerberg, Klaus Schulz, Paul Buitelaar (2011) *Ontology modularization to improve semantic medical image annotation* Journal of Biomedical Informatics 44(1): 155-162

Philipp Cimiano, Paul Buitelaar, John McCrae, Michael Sintek (2011) *LexInfo: A declarative model for the lexicon-ontology interface* J. Web Sem. 9(1): 29-51

Philipp Cimiano, Elena Montiel-Ponsoda, Paul Buitelaar, Mauricio Espinoza, Asunción Gómez-Pérez (2010) *A Note on Ontology Localization* In: Journal of Applied Ontology, volume 5:2.

Paul Buitelaar, Philipp Cimiano, Anette Frank, Matthias Hartung, Stefania Racioppa (2008) *Ontology-based Information Extraction and Integration from Heterogeneous Data Sources* In: International Journal of Human Computer Studies, 66: 759-788.

Daniel Oberle, Anupriya Ankolekar, Pascal Hitzler, Philipp Cimiano, Michael Sintek, Malte Kiesel, Babak Mougouie, Stephan Baumann, Shankar Vembu, Massimo Romanelli, Paul Buitelaar, Ralf Engel, Daniel Sonntag, Norbert Reithinger, Berenike Loos, Hans-Peter Zorn, Vanessa Micelli, Robert Porzel, Christian Schmidt, Moritz Weiten, Felix Burkhardt, Jianshen Zhou (2007) *DOLCE ergo SUMO: On Foundational and Domain Models in SWIntO (SmartWeb Integrated Ontology)* In: Journal of Web Semantics: Science, Services and Agents on the World Wide Web 5, 156-174.

Paul Buitelaar (2005) *Book Review of: Mark Stevenson - Word Sense Disambiguation: Combining Knowledge Sources for Sense Resolution* In: Journal of Logic, Language and Information, Springer, Volume 14:2, 253-259.

Paul Buitelaar, Hans Uszkoreit (2004) *MuchMore: Concept-Based Cross-Lingual Information Retrieval in the Medical Domain* In: Kuenstliche Intelligenz, 2:04.

Diana Steffen, Bogdan Sacaleanu, Paul Buitelaar (2004) *Domain Specific Sense Disambiguation with Unsupervised Methods* In: Zeitschrift fuer Computerlinguistik und Sprachtechnologie (GLDV-Journal for Computational Linguistics and Language Technology), 19:1/2, 93-101.

Martin Volk, Baerbel Ripplinger, Spela Vintar, Paul Buitelaar, Diana Raileanu, Bogdan Sacaleanu (2002) *Semantic Annotation for Concept-Based Cross-Language Medical Information Retrieval* In: International Journal of Medical Informatics, Volume 67:1-3.

Journal Articles – accepted for publication

John McCrae, Guadalupe Aguado-de-Cea, Paul Buitelaar, Philipp Cimiano, Thierry Declerck, Asuncion Gomez-Perez, Jorge Gracia, Laura Hollink, Elena Montiel-Ponsoda, Dennis Spohr, Tobias Wunner *Interchanging lexical resources on the Semantic Web* Accepted for publication in: Language Resources and Evaluation

Jorge Gracia, Elena Montiel-Ponsoda, Philipp Cimiano, Asuncion Gómez-Pérez, Paul Buitelaar, John McCrae *Multilingualism and the Web of Data* Accepted for publication in: Journal of Web Semantics

Journal Articles – submitted

Georgeta Bordea, Paul Buitelaar *Improving Automatic Keyphrase Extraction with Domain Knowledge* Submitted for publication in: Language Resources and Evaluation

Susan Thomas, Sean O'Riain, Dennis Spohr, Tobias Wunner, Paul Buitelaar, Michael Dietrich *Towards cross-lingual business intelligence based on XBRL* Submitted for publication in: International Journal of Accounting Information Systems

Refereed Conference/Workshop Papers

Fergal Monaghan, Georgeta Bordea, Krystian Samp, Paul Buitelaar (2010) *Exploring Your Research: Sprinkling some Saffron on Semantic Web Dog Food* Semantic Web Challenge at the International Semantic Web Conference (ISWC), Shanghai, China

Georgeta Bordea, Paul Buitelaar (2010) *Expertise Mining* 21st National Conference on Artificial Intelligence and Cognitive Science, Galway, Ireland

Tobias Wunner, Paul Buitelaar, Sean O'Riain. (2010) *Semantic, Terminological and Linguistic Interpretation of XBRL* Workshop on Reuse and Adaptation of Ontologies and Terminologies workshop at the 17th International Conference on Knowledge Engineering and Knowledge Management (EKAW), Lisbon, Portugal

Behrang Qasemzadeh, Paul Buitelaar, Fergal Monaghan (2010) *Developing a Dataset for Technology Structure Mining* IEEE International Conference on Semantic Computing, Pittsburgh, USA

Georgeta Bordea, Paul Buitelaar. (2010) *DERIUNLP: A Context Based Approach to Automatic Keyphrase Extraction* 4th Workshop on Semantic Evaluation (SemEval) at ACL, Uppsala, Sweden

Hammad Afzal, Paul Buitelaar, Philipp Cimiano, John McCrae, Tobias Wunner (2010) *Generating Lexical Information for Terminology in a Bioinformatics Ontology* Terminology and Knowledge Engineering Conference, Dublin, Ireland

Paul Buitelaar, Thomas Eigner (2009) *Expertise Mining from Scientific Literature* 5th International Conference on Knowledge Capture, Redondo Beach, California, USA

Paul Buitelaar, Philipp Cimiano, Peter Haase, Michael Sintek (2009) *Towards Linguistically Grounded Ontologies* 6th European Semantic Web Conference (ESWC). Lecture Notes in Computer Science, Springer

Pinar Wennerberg, Manuel Moeller, Paul Buitelaar, Sonja Zillner (2009) *Ontology Based Clinical Query Extraction* AMIA Summit on Translational Bioinformatics.

Pinar Wennerberg, Sonja Zillner, Paul Buitelaar (2009) *Interactive Clinical Query Derivation and Evaluation* AAAI 2009 Spring Symposium on Technosocial Predictive Analytics

Anita de Waard, Paul Buitelaar, Thomas Eigner (2009) *Identifying the Epistemic Value of Discourse Segments in Biology Texts* International Workshop on Computational Semantics, Tilburg, the Netherlands

Thierry Declerck, Paul Buitelaar, Jan Nemrava, David Sadlier (2008) *Towards Cross-Media Feature Extraction* AAAI Fall Symposium on Multimedia Information Extraction, Arlington USA

Jan Nemrava, David Sadlier, Paul Buitelaar, Thierry Declerck (2008) *Text Mining Support in Semantic Annotation and Indexing of Multimedia Data* Demo Session at the AAAI Fall Symposium on Multimedia Information Extraction, Arlington USA

Pinar Wennerberg, Sonja Zillner, Manuel Moeller, Paul Buitelaar and Michael Sintek (2008) *KEMM: A Knowledge Engineering Methodology in the Medical Domain* 5th International Conference on Formal Ontology in Information Systems (FOIS), Saarbruecken, Germany

Paul Buitelaar and Thomas Eigner (2008) *Topic Extraction from Scientific Literature for Competency Management* PICKME workshop on Personal Identification and Collaborations: Knowledge Mediation and Extraction at the 7th International Semantic Web Conference, Karlsruhe, Germany

Hans Hjelm, Paul Buitelaar (2008) *Multilingual Evidence Improves Clustering-based Taxonomy Extraction* 18th European Conference on Artificial Intelligence (ECAI), Patras, Greece

Paul Buitelaar, Thierry Declerck, Jan Nemrava, David Sadlier (2008) *Cross-Media Semantic Indexing in the Soccer Domain* 6th Int. Workshop on Content-Based Multimedia Indexing (CBMI), London, UK

Paul Buitelaar, Pinar Oezden Wennerberg, Sonja Zillner (2008) *Statistical Term Profiling for Query Pattern Mining* BioNLP Workshop at ACL 2008, Columbus, Ohio, USA

Pinar Oezden Wennerberg, Paul Buitelaar, Sonja Zillner (2008) *Towards a Human Anatomy Data Set for Query Pattern Mining based on Wikipedia and Domain Semantic Resources* Workshop on Building and Evaluating Resources for Biomedical Text Mining at LREC, Marrakech, Morocco

Jan Nemrava, Paul Buitelaar, Vojtěch Svatek, Thierry Declerck (2008) *Text Mining Support for Semantic Indexing and Analysis of A/V Streams* OntoImage Workshop at LREC, Marrakech, Morocco

Paul Buitelaar, Thomas Eigner (2008) *Ontology Search with the OntoSelect Ontology Library* LREC, Marrakech, Morocco

Mario Crespo Miguel, Paul Buitelaar (2008) *Domain-Specific English-To-Spanish Translation of FrameNet* LREC 2008, Marrakech, Morocco

Yoshihiko Hayashi, Thierry Declerck, Paul Buitelaar, Monica Monachini (2008) *Ontologies for a Global Language Infrastructure* 1st International Conference on Global Interoperability for Language Resources, Hong Kong, China

Nils Reiter, Paul Buitelaar (2008) *Lexical Enrichment of a Human Anatomy Ontology using WordNet* Global WordNet Conference, Szeged, Hungary

Manuel Mueller, Michael Sintek, Paul Buitelaar, Saikat Mukherjee, Xiang Sean Zhou, Joerg Freund (2008) *Medical Image Understanding through the Integration of Cross-Modal Object Recognition with Formal Domain Knowledge* Healthinf 2008, Madeira, Portugal

Jan Nemrava, Paul Buitelaar, Thierry Declerck, Vojtech Svátek, Josef Petrák, Andreas Cobet, Herwig Zeiner, David A. Sadlier, Noel E. O'Connor, Nikos Simou, Vassilis Tzouvaras (2007) *An architecture for mining resources complementary to audio-visual streams* Knowledge Acquisition from Multimedia Content workshop at the International Conference on Semantics And digital Media Technologies (SAMT), Genova, Italy

Massimo Romanelli, Paul Buitelaar, Michael Sintek (2007) *Modeling Linguistic Facets of Multimedia Content for Semantic Annotation* International Conference on Semantics And digital Media Technologies (SAMT), Genova, Italy

Paul Buitelaar, Thomas Eigner (2007) *Evaluating Ontology Search* Evaluation of Ontologies and Ontology-based tools (EON) workshop at the International Semantic Web Conference, Busan, South-Korea

Philipp Cimiano, Peter Haase, Matthias Herold, Matthias Mantel, Paul Buitelaar (2007) *LexOnto: A Model for Ontology Lexicons for Ontology-based NLP* OntoLex workshop at the International Semantic Web Conference, Busan, South-Korea

Jan Nemrava, Paul Buitelaar, Vojtech Svatek, and Thierry Declerck (2007) *Event Alignment for Cross-Media Feature Extraction in the Football Domain* International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS), Santorini, Greece

Jan Nemrava, Vojtech Svatek, Milan Simunek, Paul Buitelaar (2007) *Mining over Football Match Data: Seeking Associations among Explicit and Implicit Events* Znalosti, Ostrava, Czech Republic

Nicolas Weber, Paul Buitelaar (2006) *Web-based Ontology Learning with ISOLDE* Workshop on Web Content Mining with Human Language at the International Semantic Web Conference, Athens Georgia, USA

Paul Buitelaar, Philipp Cimiano, Anette Frank, Stefania Racioppa (2006) *SOBA: SmartWeb Ontology-based Annotation* Demo Session at the International Semantic Web Conference, Athens GA, USA

Thierry Declerck, Paul Buitelaar, Manuel Alcantara, Martin Labski, Vojtech Svatek (2006) *Adding Semantic Metadata to Audio-Video Material by Automatic Analysis of Complementary Sources* International Conference on Visual Information Engineering, Bangalore, India

Paul Buitelaar, Michael Sintek, Malte Kiesel (2006) *A Lexicon Model for Multilingual/Multimedia Ontologies* 3rd European Semantic Web Conference, Budva, Montenegro

Paul Buitelaar, Thierry Declerck, Anette Frank, Stefania Racioppa, Malte Kiesel, Michael Sintek, Ralf Engel, Massimo Romanelli, Daniel Sonntag, Berenike Loos, Vanessa Micelli, Robert Porzel, Philipp Cimiano (2006) *LingInfo: Design and Applications of a Model for the Integration of Linguistic Information in Ontologies*. OntoLex Workshop at LREC, Genoa, Italy

Paul Buitelaar, Philipp Cimiano, Stefania Racioppa, Melanie Siegel (2006) *Ontology-based Information Extraction with SOBA* LREC, Genoa, Italy

Paul Buitelaar, Thomas Eigner, Greg Gulrajani, Alexander Schutz, Melanie Siegel, Nicolas Weber Philipp Cimiano, Guenter Ladwig, Matthias Mantel, Honggang Zhu (2006) *Generating and Visualizing a Soccer Knowledge Base* Demo Session at EACL, Trento, Italy

Alexander Schutz, Paul Buitelaar (2005) *RelExt: A Tool for Relation Extraction in Ontology Extension* 4th International Semantic Web Conference, Galway, Ireland

Paul Buitelaar, Michael Sintek and Malte Kiesel (2005) *Feature Representation for Cross-Lingual, Cross-Media Semantic Web Applications* Workshop on Knowledge Markup and Semantic Annotation (SemAnnot2005) at the International Semantic Web Conference, Galway, Ireland

Paul Buitelaar, Srikanth Ramaka (2005) *Unsupervised Ontology-based Semantic Tagging for Knowledge Markup* Workshop on Learning in Web Search at the International Conference on Machine Learning, Bonn, Germany

Paul Buitelaar, Thomas Eigner, Stefania Racioppa (2005) *Semantic Navigation with ViEWs In: Proc. of the Workshop on User Aspects of the Semantic Web* at the European Semantic Web Conference, Heraklion, Greece

Paul Buitelaar, Thomas Eigner, Thierry Declerck (2004) *OntoSelect: A Dynamic Ontology Library with Support for Ontology Selection* Demo Session at the International Semantic Web Conference, Hiroshima, Japan

Paul Buitelaar, Michael Sintek (2004) *OntoLT Version 1.0: Middleware for Ontology Extraction from Text* Demo Session at the International Semantic Web Conference, Hiroshima, Japan

Paul Buitelaar (2004) *OntoSelect: Towards the Integration of an Ontology Library, Ontology Selection and Knowledge Markup* Workshop on Knowledge Markup and Semantic Annotation (Semannot2004) at the International Semantic Web Conference, Hiroshima, Japan

Michael Sintek, Paul Buitelaar, Daniel Olejnik (2004) *A Formalization of Ontology Learning from Text* Workshop on Evaluation of Ontology-based Tools (EON) at the International Semantic Web Conference, Hiroshima, Japan

Peter Wittenburg, Daan Broeder, Paul Buitelaar (2004) *Towards Metadata Interoperability* 4th NLPXML Workshop at ACL, Barcelona, Spain

Paul Buitelaar, Daniel Olejnik, Mihaela Hutanu, Alexander Schutz, Thierry Declerck, Michael Sintek (2004) *Towards Ontology Engineering Based on Linguistic Analysis* LREC, Lissabon, Portugal

Paul Buitelaar, Diana Steffen, Martin Volk, Dominic Widdows, Bogdan Sacaleanu, Spela Vintar, Stanley Peters, Hans Uszkoreit (2004) *Evaluation Resources for Concept-based Cross-Lingual Information Retrieval in the Medical Domain* LREC, Lissabon, Portugal

Thierry Declerck, Paul Buitelaar, Nicoletta Calzolari, Alessandro Lenci (2004) *Towards a Language Infrastructure for the Semantic Web* LREC, Lissabon, Portugal

Walter Kasper, Joerg Steffen, Jakub Piskorski, Paul Buitelaar (2004) *Integrated Language Technologies for Multilingual Information Services in the MEMPHIS Project* LREC, Lissabon, Portugal

Paul Buitelaar, Daniel Olejnik, Michael Sintek (2004) *A Protege Plug-In for Ontology Extraction from Text Based on Linguistic Analysis* 1st European Semantic Web Symposium, Heraklion, Greece

Paul Buitelaar, Daniel Olejnik, Michael Sintek (2003) *OntoLT: A Protege Plug-In for Ontology Extraction from Text* Demo Session at the International Semantic Web Conference, Sanibel Island, Florida, USA

Paul Buitelaar, Thierry Declerck, Nicoletta Calzolari, Alessandro Lenci (2003) *Towards a Language Infrastructure for the Semantic Web* Workshop on Human Language Technology for the Semantic Web and Web Services at the International Semantic Web Conference, Sanibel Island, Florida, USA

Spela Vintar, Paul Buitelaar, Martin Volk (2003) *Semantic Relations in Concept-Based Cross-Language Medical Information Retrieval* ECML/PKDD Workshop on Adaptive Text Extraction and Mining, Cavtat-Dubrovnik, Croatia

Spela Vintar, Ljupčo Todorovski, Daniel Sonntag, Paul Buitelaar (2003) *Evaluating Context Features for Medical Relation Mining* ECML/PKDD Workshop on Data Mining and Text Mining for Bioinformatics, Cavtat-Dubrovnik, Croatia

Paul Buitelaar, Thierry Declerck, Nicoletta Calzolari, Alessandro Lenci (2003) *Language Resources and the Semantic Web* ELSNET/ENABLER workshop, Paris, France

Dominic Widdows, Stanley Peters, Scott Cederberg, Chiu-Ki Chan, Diana Steffen, Paul Buitelaar (2003) *Unsupervised Monolingual and Bilingual Word-Sense Disambiguation of Medical Documents using UMLS* Workshop on Natural Language Processing in Biomedicine at ACL, Sapporo, Japan

Paul Buitelaar, Thierry Declerck, Bogdan Sacaleanu, Spela Vintar, Diana Raileanu, Claudia Crispi (2003) *A Multi-Layered, XML-Based Approach to the Integration of Linguistic and Semantic Annotations* Workshop on Language Technology and the Semantic Web at EACL, Budapest, Hungary

Bogdan Sacaleanu, Martin Volk and Paul Buitelaar (2003) *A Cross-Language Document Retrieval System Based on Semantic Annotation* Demo Session at EACL, Budapest, Hungary

Martin Volk, Spela Vintar, Paul Buitelaar (2003) *Ontologies in Cross-Language Information Retrieval* Ontologie-basiertes Wissensmanagement Workshop at the 2nd Konferenz Professionelles Wissensmanagement - Erfahrungen und Visionen (WM2003), Luzern, Switzerland

Martin Volk, Paul Buitelaar (2002) *A Systematic Evaluation of Concept-based Cross Language Information Retrieval in the Medical Domain* 3rd Dutch-Belgian Information Retrieval Workshop, Leuven, Belgium

Spela Vintar, Paul Buitelaar, Baerbel Ripplinger, Bogdan Sacaleanu, Diana Raileanu, Detlef Prescher (2002) *An Efficient and Flexible Format for Linguistic and Semantic Annotation* LREC, Las Palmas, Canary Islands, Spain

Diana Raileanu, Paul Buitelaar, Joerg Bay, Spela Vintar (2002) *Evaluation Corpora for Sense Disambiguation in the Medical Domain* LREC, Las Palmas, Canary Islands, Spain

Baerbel Ripplinger, Spela Vintar, Paul Buitelaar (2002) *Cross-Lingual Information Retrieval through Semantic Annotation* Natural Language Processing in Biomedical Applications, Cyprus

Paul Buitelaar, Bogdan Sacaleanu (2002) *Extending Synsets with Medical Terms* 1st International WordNet Conference, Mysore, India

Paul Buitelaar, Jan Alexandersson, Tilman Jaeger, Stephan Lesch, Norbert Pflieger, Diana Raileanu, Tanja von den Berg, Kerstin Kloeckner, Holger Neis, Hubert Schlarb (2001) *An Unsupervised Semantic Tagger Applied to German* Recent Advances in NLP (RANLP), Tzigrav Chark, Bulgaria

Paul Buitelaar, Bogdan Sacaleanu (2001) *Ranking and Selecting Synsets by Domain Relevance* In: Workshop on WordNet and Other Lexical Resources: Applications, Extensions and Customizations at NAACL, Carnegie Mellon University, Pittsburgh

Paul Buitelaar (2000) *Reducing Lexical Semantic Complexity with Systematic Polysemous Classes and Underspecification* Workshop on Syntactic and Semantic Complexity in Natural Language Processing Systems at ANLP, Seattle, USA

Paul Buitelaar, Feiyu Xu, Klaus Netter (1998) *Integrating Different Strategies In Cross-Language Information retrieval in the MIETTA Project* TWLT14 , Enschede, the Netherlands

Paul Buitelaar (1998) *Specification and Underspecification in Lexical Semantic Processing for Information Extraction* Bad Teinach Workshop on Underspecification, Bad Teinach, Germany

Paul Buitelaar (1998) *The Acquisition of Defaults in Lexical Semantic Representations* Workshop on Lexical Semantic Systems, Pisa, Italy

Paul Buitelaar (1997) *A Lexicon for Underspecified Semantic Tagging* SIGLEX Workshop on Tagging text with Lexical Semantics: Why, What, and How? at ANLP, Washington D.C.

James Pustejovsky, Bran Boguraev, Marc Verhagen, Paul Buitelaar, Michael Johnston (1997) *Semantic Indexing and Typed Hyperlinking* AAAI Spring 1997 Workshop on Natural Language Processing for the World Wide Web, Palo Alto, California, USA

Johan Bos, Paul Buitelaar, Anne-Marie Mineur (1995) *Bridging as Coercive Accommodation* Workshop on Computational Logic for Natural Language Processing, Edinburgh, UK

Paul Buitelaar, Anne-Marie Mineur (1994) *Compositionality and Coercion in Categorical Grammar* 9th Amsterdam Colloquium, ILLC, Amsterdam, the Netherlands

Paul Buitelaar, Reind van de Riet (1992) *The Use of Lexicons to Interpret ER-diagrams: a LIKE project* Conference on the Entity-Relationship approach, Lecture Notes in Computer Science, Springer

Other Publications

CoreLex: Systematic Polysemy and Underspecification PhD Thesis, Computer Science Dept., Brandeis University, Waltham MA, USA, Feb. 1998, ISBN: 0-591-71766-2

Contributions to: Antonio Sanfilippo (ed.) *EAGLES LE3-4244 Preliminary Recommendations on Lexical Semantic Encoding*, Final Report, The EAGLES Lexicon Interest Group, February 1999

Patent

A method and an apparatus for processing semantic data resources - European patent registration, File number: 08010815.2, 2008

Evidence of External Reputation

Invited Presentations

Keynotes

On Man-Machine Interoperability: Integration of Ontologies and Lexicons - Keynote talk at the 2nd International Conference on Global Interoperability for Language Resources, January 2010, Hong Kong

Ontology Learning: Where are we? And where are we going? - Keynote talk at ESOE: International Workshop on Emergent Semantics and Ontology Evolution, co-located with the 6th International Semantic Web Conference, November 2007, Busan, South-Korea

Ontologies in Semantic Annotation: Selection, Population, Lexicalisation - Keynote talk at SAAKM: Semantic Authoring, Annotation and Knowledge Markup Workshop, co-located with the 4th International Conference on Knowledge Capture (K-Cap), October 2007, Whistler, British Columbia, Canada

Text Mining Support in Semantic Metadata Extraction - Keynote talk at KW4ED: Workshop on Knowledge Management and Semantic Web for Engineering Design, co-located with the 4th International Conference on Knowledge Capture (K-Cap), October 2007, Whistler, British Columbia, Canada

On the Role of Natural Language Processing in a Data-Driven Approach to the Ontology Life-Cycle - Keynote talk at TALN 2007, the conference of the French association on Natural Language Processing (ATALA), June 2007, Toulouse, France

Harnessing the Semantic Web for Natural Language Processing - Keynote talk at the 7th International Workshop on Computational Semantics (IWCS-7), January 2007, Tilburg, the Netherlands

Ontology Learning and Population in SmartWeb - Keynote talk at the 3rd Philips Symposium on Intelligent Algorithms (SOIA), December 2006, Eindhoven, the Netherlands

Ontology Learning for Semantic Metadata Extraction - Keynote talk at the AIMS workshop on Natural Language Processing for Metadata Extraction (NLP4ME), September 2006, Varna, Bulgaria

Semantic Annotation in MuchMore - Keynote talk at CLIF (Computational Linguistics in Flanders), April 2003, Brussels, Belgium

Lexical Semantics in the Age of the Semantic Web - Keynote talk at the Conference of the Slovenian Society for Language Technologies, October 2002, Ljubljana, Slovenia

Invited Lectures

MERAKA institute - course on *Ontologies and Word Meaning in Natural Language Processing*, July 2008, Pretoria, South-Africa

ACL/HCSNet Advanced Program in Natural Language Processing - course on *Lexical Semantics and Ontologies*, July 2006, Melbourne, Australia

1st SEKT Summer School on the Semantic Web - course on *Human Language Technology for the Semantic Web*, July 2005, Ljubljana, Slovenia

2nd Summer School on Ontological Engineering and the Semantic Web - course on *Language Technology for the Semantic Web*, July 2004, Cercedilla, Spain

1st Summer School on Ontological Engineering and the Semantic Web - course on *Language Technology for the Semantic Web*, July 2003, Cercedilla, Spain

PhD Program in Applied Linguistics, (NLP area) - course on *Computational Lexical Semantics*, Institut de Lingüística Aplicada (IULA), Universitat Pompeu Fabra, February 2003, Barcelona, Spain

EUROLAN Summer School - courses on *Domains and Senses; Semantic Annotation in Cross-Lingual Information Retrieval*, August 2001, Iasi, Romania

EUROLAN Summer School - course on *Concepts in Multilingual Information Retrieval*, August 1999, Iasi, Romania

Invited Talks

Ontology Lexicalisation - Institute for Applied Linguistics (IULA), Universitat Pompeu Fabra, January 2011, Barcelona, Spain

Ontology Lexicalisation - Copenhagen Symposium on Approaches to the Lexicon, December 2010, Copenhagen, Denmark

Finding, Linking and Organizing Resources with Linked Data & Natural Language Processing - Fondazione Bruno Kessler, November 2010, Trento, Italy

CoreLex: Systematic Polysemy, Underspecification and Coercion - Dipartimento Ingegneria e Scienza dell'Informazione, University of Trento, November 2010, Trento, Italy

Finding, Linking and Organizing Resources with Linked Data & Natural Language Processing - CATCH project meeting, October 2010, Rotterdam, the Netherlands

Ontologies and the Lexicon: Connecting World and Word Knowledge - School of Computer Science of the University of Manchester, March 2010, Manchester, UK

Expertise Mining from Scientific Literature - Semantic Computing Group, Bielefeld University, December 2009, Bielefeld, Germany

Ontologies and the Lexicon: Connecting World and Word Knowledge - Graduate Program Empirical Language Processing (Empirische Sprachverarbeitung), Ludwig-Maximilians-Universität, December 2009, Munich, Germany

Project Acquisition at DERI: The Monnet FP7 Project Proposal - UK Info Day for ICT Call 6, Enterprise Europe Scotland & Enterprise Ireland, November 2009, Edinburgh, UK

Ontologies and the Lexicon: Connecting World and Word Knowledge - FlareNet project meeting, September 2009, Pisa, Italy

Ontologies: Creating Stepping Stones in a Sea of Data - Theseus Symposium ST3, ST5 Joint Session on Applications and Benefits of Ontologies, June 2009, Berlin, Germany

Invited expert at the Semantic Data Integration Workshop of the LifeWatch project, May 2009, Amsterdam, the Netherlands

Ontology-based Information Extraction with SOBA - Department of Linguistics and Philology, Uppsala University, February 2009, Uppsala, Sweden

Ontology-based Information Extraction with SOBA - Workshop of the CATCH project at Naturalis, November 2008, Leiden, the Netherlands

Towards Query Pattern Mining in the Medical Domain - Center of Content and Knowledge Engineering at the Dept. of Information and Computing Sciences, Utrecht University, May 2008, Utrecht, the Netherlands

Ontologies & Text Mining (for Life Sciences) - Seminar on Text Mining and Ontologies for Life Sciences, March 2008, Dagstuhl, Germany

Ontology learning from Text - Backgrounds, State-of-the-Art and Challenges - Computational Linguistics Dept., University of Heidelberg, December 2007, Heidelberg, Germany

Towards Multilingual/Multimedia Ontologies and Cross-Media Analysis - Workshop of the X-Media project, July 2007, Karlsruhe, Germany

Language Technology in the Ontology Life-Cycle - Workshop of the LT4eL project, June 2007, Prague, Czech Republic

Tutorial on Ontology Learning - SIKS-ICS (Dutch Research School for Information and Knowledge systems) Seminar on the Semantic Web, April 2007, Utrecht, the Netherlands

Language Technology in the Ontology Lifecycle - Nancy NLP Seminar at LORIA, December 2006, Nancy, France

Language Technology in the Ontology Lifecycle - Computer Science Dept., Brandeis University, November 2006, Waltham MA, USA

Ontology Learning: Multilingual and Multimedia Aspects - EKAW Workshop on Ontology Evolution and Multimedia Information Extraction (BOEMIE), October 2006, Podebrady, Czech Republic

Tutorial on Ontology Learning - First International Conference on Knowledge Science, Engineering and Management (KSEM'06), August 2006, Guilin, China -- *canceled*

Ontology-driven Predicate Argument Structure Analysis for Event Annotation (with Anette Frank) - Workshop on Multilingual Semantic Annotation, June 2006, Saarbruecken, Germany

Ontology Learning from Text - European Bioinformatics Institute, May 2006, Hinxton, UK

Language Technology in the Ontology Lifecycle - Knowledge Media Institute, Open University, January 2006, Milton Keynes, UK

Human Language Technology for the Semantic Web - Seminars in Computing, National University of Ireland, Nov. 2005, Galway, Ireland

Language Technology in Knowledge Markup and Ontology Evolution - Seminar on Artificial Intelligence, June 2005, Luxembourg

Corpus-based Ontology Extension - Symposium on corpus applications in literary studies, linguistics and information technology, February 2005, Darmstadt, Germany

Position Paper on Machine Learning for the Semantic Web - Seminar on Machine Learning for the Semantic Web, February 2005, Dagstuhl, Germany

Towards the Integration of Ontologies and Semantic Lexicons - 2nd Workshop of the MEANING project, February 2005, Trento, Italy

Language Technology for the Semantic Web - Talks in Computational Linguistics, Stockholm University, September 2004, Stockholm, Sweden

Ontologies: Contributions from Language Technology - eJustice Dialogues, July 2004, Saarbruecken, Germany

Connecting Human Language Technology and Ontology Engineering - CNTS Colloquia, Univ. of Antwerpen, June 2004, Antwerpen, Belgium

OntoLT: Connecting Human Language Technology and Ontology Engineering - ILASH Half-day Workshop on Human Language Technologies for the Semantic Web, Univ. of Sheffield, March 2004, Sheffield, UK

Ontology Extraction from Text with OntoLT - DaimlerChrysler Workshop on Ontology Learning and Question Answering Tools from/for Large Text Collections, December 2003, Ulm, Germany

MuchMore: Multilingual Concept Hierarchies for Medical Information Organization and Retrieval - LangTech Conference, November 2003, Paris, France

Semantic Corpus Annotation in MuchMore; Language Technology and the Semantic Web - Institut de Linguística Aplicada (IULA), Universitat Pompeu Fabra, February 2003, Barcelona, Spain

Semantic Corpus Annotation in MuchMore; Language Technology and the Semantic Web - Institute for InfoComm Research, January 2003, Singapore

Semantic Lexicons: Between Ontology and Terminology - ONTOLEX workshop, September 2000, Sozopol, Bulgaria

CoreLex Revisited: Finding Systematic Patterns of Meaning - Department of Linguistics, University of Tuebingen, October 1999, Tuebingen, Germany

Ambiguity in Semantic Annotation - Computer Science Institute, University of Leipzig, July 1999, Leipzig, Germany

Concepts in Multilingual Information Retrieval - Kansai Advanced Research Center, February 1999, Osaka, Japan

Invited Member of Panels

Semantic Web - ONTOLEX Workshop, LREC, May 2004, Lisbon, Portugal

Semantic Web - NLPXML Workshop, COLING, September 2002, Taipei, Taiwan

Semantic Web: A New Challenge for Language Technology? - COLING, August 2002, Taipei, Taiwan

Commentator at Standardizing and Linking WordNets - SENSEVAL2, ACL/EACL, July 2001, Toulouse, France

Wissen ueber Woerter (Knowledge about Words) - Institut fuer Deutsche Sprache (Institute for the German Language), June 2001, Mannheim, Germany

Cross-Lingual Information Retrieval - ASIS (American Society for Information Science and Technology), November 2000, Chicago, USA

Multilingual Lexicons - Final Workshop of the SIMPLE Project, June 2000, Athens, Greece

Officer of Professional Organizations

Feb. 2007 - now: Information Officer of [SIGSEM](#) (*Special Interest Group on Computational Semantics of the Association for Computational Linguistics*)

April 2009 - May 2010: Executive Council Member of [IAOA](#) (*International Association for Ontology and its Applications*) – founding member

June 2004 - Dec. 2008: DFKI Representative in the Advisory Committee of [W3C](#) (*World Wide Web Consortium*)

Service on Reviewing Boards and Program Committees

Editorial Board Member

Since 2004: *Language Resources and Evaluation Journal*, Springer (Co-Editor-in-Chief: Nicoletta Calzolari, Nancy Ide)

2005 - 2011: *FOLLI Publications on Logic, Language and Information*, Sub-series of Lecture Notes in AI, Springer (Editors-in-Chief: Luigia Carlucci Aiello, Michael Moortgat, Maarten de Rijke)

Program Committee Co-Chair of Conferences

SAMT 2007 - 2nd international conference on Semantics And digital Media Technology, December 2007, Genova, Italy

Senior Program Committee Member of Conferences

ISWC - 9th International Semantic Web Conference (Senior PC Member), Nov. 2010, Shanghai, China

CIKM - ACM 17th Conference on Information and Knowledge Management (Meta-Reviewer for Track: Knowledge Management), October 2008, Napa Valley CA

COLING08 - 22nd International Conference on Computational Linguistics (Area Chair: lexicon, lexical semantics, word sense disambiguation), August 2008, Manchester, UK

EACL06 - 11th Conference of the European Chapter of the Association for Computational Linguistics (Area Chair: lexicon, lexical databases, ontologies, language resources), April 2006, Trento, Italy

Program Committee Member of Conferences

AAAI-2011 - 25th Conference on Artificial Intelligence, August 2011, San Francisco, California, USA

EMNLP 2011 - Conference on Empirical Methods in Natural Language Processing, July 2011, Edinburgh, UK

K-CAP 2011 - 6th International Conference on Knowledge Capture, June 2011, Banff, Canada

EKAW 2010 - 17th International Conference on Knowledge Engineering and Knowledge Management, Oct. 2010, Lisbon, Portugal

ECAI 2010 - 19th European Conference on Artificial Intelligence, Aug. 2010, Lisbon, Portugal

ACL 2010 (Area: Lexical Semantics) - 48th Annual Meeting of the Association for Computational Linguistics, July 2010, Uppsala, Sweden

ESWC 2010 (PhD Symposium) - 7th Extended Semantic Web Conference, June 2010, Crete, Greece

LREC 2010 - 7th International Conference on Language Resources and Evaluation, May 2010, Malta

FOIS 2010 - 6th International Conference on Formal Ontology in Information Systems, May 2010, Toronto, Canada

ASWC 2009 - 4th Asian Semantic Web Conference, Dec. 2009, Shanghai, China

ISWC 2009 (Main Conference, Demo & Poster Session & PhD Track) - 8th International Semantic Web Conference, Oct. 2009, Washington DC

ECML/PKDD 2009 - European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, Sept. 2009, Bled, Slovenia

K-CAP 2009 - 5th International Conference on Knowledge Capture, Sept. 2009, Redondo Beach, California, USA

EMNLP 2009 - International Conference on Empirical Methods in Natural Language Processing, Aug. 2009, Singapore

ACL-IJCNLP 2009 (Area: Information Extraction & Demo Session) - 47th Annual Meeting of the Association for Computational Linguistics & 4th International Joint Conference on Natural Language Processing, Aug. 2009, Singapore

ESWC 2009 (Main Conference, Demo & Poster Session & PhD Track) - 6th European Semantic Web Conference, June 2009, Crete, Greece

EACL 2009 (Area: lexicon, lexical databases, language resources, ontologies) - 12th Conference of the European Chapter of the Association for Computational Linguistics, April 2009, Athens, Greece

MMM 2009 - 15th International MultiMedia Modeling Conference, Jan. 2009, Sophia Antipolis, France

FOIS08 - 5th International Conference on Formal Ontology in Information Systems, November 2008, Saarbruecken, Germany

ICSC08 - 2nd IEEE International Conference on Semantic Computing, August 2008, Santa Clara CA, USA

ESWC08 - 5th European Semantic Web Conference, June 2008, Tenerife, Spain

ACL08 (Area: lexical Semantics) - 46th Annual Meeting of the Association for Computational Linguistics, June 2008, Columbus OH, USA

IJCNLP08 - 3rd International Joint Conference on Natural Language Processing, January 2008, Hyderabad, India

ISWC07 - 6th International Semantic Web Conference, November 2007, Busan, South-Korea

I-KNOW '07 (Special Track on Knowledge Organization and Semantic Technologies) - September 2007, Graz, Austria

ECML/PKDD - European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, September 2007, Warsaw, Poland

ACL07 (Area: lexicon, lexical databases, ontologies, language resources) - June 2007, Prague, Czech Republic

16th WWW Conference (Semantic Web Track), May 2007, Banff, Canada

FLAIRS-20 (Special Track on Artificial Intelligence and Social Semantic Collaboration) - May 2007, Key West FL, USA

22nd Annual ACM Symposium on Applied Computing (Technical Track on Semantic Web and Applications) - March 2007, Seoul, Korea

ISWC06 - 5th International Semantic Web Conference, November 2006, Athens GA, USA

I-KNOW06 - International Conference on Knowledge Management (Special Track on Advanced Semantic Technologies), Sept. 2006, Graz, Austria

ESWC06 - 3rd European Semantic Web Conference, May 2006, Montenegro

LREC06 - 5th International Conference on Language Resources and Evaluation, May 2006, Genoa, Italy

3rd International Conference of the Global WordNet Association, January 2006, Jeju Island, Korea

IJCNLP05 - 2nd International Joint Conference on Natural Language Processing (Area: Semantics and Ontologies), Oct. 2005, Jeju Island, Korea

ECCB05 - 4th European Conference on Computational Biology (Area: Text Mining), Sept./Oct. 2005, Madrid, Spain

ISMB05 - Intelligent Systems for Molecular Biology (Area: Text Mining), June 2005, Michigan, USA

2nd European Semantic Web Conference, May 2005, Crete, Greece

14th WWW Conference (Semantic Web Track), May 2005, Chiba, Japan

COLING04 (Area: Lexical Semantics & Area: Ontologies, Lexicons and Lexical Databases for NLP), August 2004, Geneva, Switzerland

ISMB/ECCB04 - Intelligent Systems for Molecular Biology & European Conference on Computational Biology (Area: Databases, Ontologies and Text Mining), August 2004, Glasgow, UK

LREC04 - 4th International Conference on Language Resources and Evaluation, May 2004, Lisboa, Portugal

13th WWW Conference (Semantic Web Track), May 2004, New York, USA

IJCNLP04 (Area: Lexical Semantics, Ontology and Linguistic Resources), March 2004, Hainan Island, China

2nd International WordNet Conference, January 2004, Brno, Czech Republic

ACL03 (Area: Lexical Semantics and Ontologies for NLP), July 2003, Sapporo, Japan

EACL03 (Area: Lexicon, Lexical Semantics), April 2003, Budapest, Hungary

COLING02 (Area: Semantics & Area: Syntax), August 2002, Taipei, Taiwan

1st International WordNet Conference, January 2002, Mysore, India

FOIS01 - 2nd International Conference on Formal Ontology in Information Systems, October 2001, Ogonquit, Maine, USA

IJCAI01 (Area: NLP/HCI), August 2001, Seattle, Washington, USA

ACL00 (Area: Lexicon and Semantics), October 2000, Hong Kong

COLING/ACL98 (Area: Large R&D Cooperative Projects), August 1998, Montreal, Canada

Program Committee Member of Workshops

WoLeR - International Workshop on Lexical Resources at ESSLLI 2011, Ljubljana, Slovenia, August 2011

EOS 2011 - Workshop on Entity-Oriented Search at SIGIR, Beijing, China, July 2011

GEMS-2011 - Geometrical Models of Natural Language Semantics at EMNLP, Edinburgh, UK, July 2011

RELMS 2011 - Workshop on Relational Models of Semantics at ACL-HLT 2011, Portland, Oregon, USA, June 2011

DiSCo - Distributional Semantics and Compositionality at ACL-HLT 2011, Portland, Oregon, USA, June 2011

LaTeCH 2011 - Language Technology for Cultural Heritage, Social Sciences, and Humanities at ACL-HLT 2011, Portland, Oregon, USA, June 2011

4th International Semantic Search Workshop at WWW2011, Hyderabad, India, March 2011

OntoLex 2010 - 6th Workshop on Ontologies and Lexical Resources at COLING, Beijing, China, August 2010

2nd workshop on The People's Web meets NLP: Collaboratively Constructed Semantic Resources at COLING, Beijing, China, August 2010

4th Workshop on Language Technology for Cultural Heritage, Social Sciences, and Humanities at ECAI, Lisbon, Portugal, August 2010

GEMS 2010 - GEometrical Models of Natural Language Semantics at ACL, Uppsala, Sweden, July 2010

3rd Semantic Search workshop at WWW, Raleigh, USA, April 2010

The People's Web meets NLP: Collaboratively Constructed Semantic Resources at ACL/IJCNLP, Singapore, August 2009

GEometrical Models of Natural Language Semantics at EACL, Athens, Greece, April 2009

Language Technology and Resources for Cultural Heritage, Social Sciences, Humanities, and Education at EACL, Athens, Greece, April 2009

Semantic Representation of Spoken Language at EACL, Athens, Greece, April 2009

Distributional Lexical Semantics: Bridging the gap between semantic theory and computational simulations at ESSLLI, Hamburg, Germany, August 2008

Semantic Search at the 5th European Semantic Web Conference, Tenerife, Spain, June 2008

Building and evaluating resources for biomedical text mining at LREC, Marrakech, Morocco, May 2008

2nd Linguistic Annotation Workshop (the LAW) at LREC, Marrakech, Morocco, May 2008

5th International Workshop on Philosophy and Informatics (WSPI), Kaiserslautern, Germany, April 2008

Semantic Representation of Speech at the conference of the Spanish association for artificial intelligence (CAEPIA), Salamanca, Spain, November 2007

Natural Language Processing and Knowledge Representation for eLearning Environments at RANLP (International Conference on Recent Advances in NLP), Borovetz, Bulgaria, September 2007

Acquisition and Management of Multilingual Lexicons at RANLP (International Conference on Recent Advances in NLP), Borovetz, Bulgaria, September 2007

Contextual Information in Semantic Space Models (CoSMo 2007): Beyond Words and Documents at Context 07: 6th International and Interdisciplinary Conference on Modeling and Using Context, Denmark, August 2007

Linguistic Annotation Workshop (the LAW) at ACL, Prague, Czech Republic, June 2007

Web Content Mining with Human Language Technologies at ISWC, November 2006, Athens GA, USA

Semantic Web Applications: Theory and Practice (SWAT 2006) at 25th International Conference on Conceptual Modeling (ER 2006), November 2006, Tucson, Arizona, USA

Annotating and Reasoning about Time and Events (ARTE) at COLING/ACL, July 2006, Sydney, Australia

International Workshop on Intelligent Information Access (IIIA2006), July 2006, Helsinki, Finland

3rd Workshop on Scalable Natural Language Understanding (ScaNaLU 2006) at HLT/NAACL, June 2006, Boston, USA

3rd International Workshop on Philosophy and Informatics (WSPI 2006), May 2006, Saarbruecken, Germany

Cross-Language Knowledge Induction at EACL, April 2006, Trento, Italy

Multi-dimensional Markup in Natural Language Processing (NLPXML-2006) at EACL, April 2006, Trento, Italy

Knowledge Markup and Semantic Annotation (Semannot2005) at ISWC, November 2005, Galway, Ireland

Ontology Mining & Engineering and its Use for Virtual Reality (WOMEUVR05) at OTM, November 2005, Agia Napa, Cyprus

Ontologies and Lexical Resources (OntoLex 2005) at IJCNLP, October 2005, Jeju Island, Korea

Knowledge Discovery and Ontologies at ECML, October 2005, Porto, Portugal

Representation and Analysis of Web Space (RAWS-05), September 2005, Prague-Tocna, Czech Republic

Learning in Web Search at ICML, August 2005, Bonn, Germany

Learning and Extending Lexical Ontologies by Using Machine Learning Methods at ICML, August 2005, Bonn, Germany

Knowledge Markup and Semantic Annotation (Semannot2004) at ISWC, November 2004, Hiroshima, Japan

Application of Language and Semantic Technologies to Support Knowledge Management Processes at EKAW, October 2004, Northamptonshire, UK

RDF/RDFS and OWL in Language Technology (4th NLPXML Workshop) at ACL, July 2004, Barcelona, Spain

A Registry of Linguistic Data Categories within an Integrated Language Resources Repository Area at LREC, May 2004, Lisbon, Portugal

Knowledge Markup and Semantic Annotation at K-CAP, October 2003, Florida, USA.

Human Language Technology for the Semantic Web and Web Services at ISWC, October 2003, Florida, USA.

Prospects and advances in the syntax/semantics interface (Lorraine-Saarland Workshop Series), October 2003, Nancy, France.

Language Technology and the Semantic Web (3rd NLPXML Workshop) at EACL, April 2003, Budapest, Hungary

Semantic Web Meets Language Resources at AAI, July 2002, Edmonton, Alberta, Canada

Semantic Authoring, Annotation & Knowledge Markup at ECAI, July 2002, Lyon, France

Semantic Web Workshop at the WWW Conference, May 2002, Hawaii, USA

Ontologies and Lexical Knowledge Bases (OntoLex 2002) at LREC, May 2002, Las Palmas, Spain

Wordnet Structures and Standardization at LREC, May 2002, Canary Islands, Spain

Natural Language Processing in Biomedical Applications at EFMI, March 2002, Nicosia, Cyprus

Knowledge Markup and Semantic Annotation at K-CAP, October 2001, Victoria B.C., Canada

Multi-Layer Corpus-based Analysis at the EuroLan Summer School, July/August 2001, Iasi, Romania

Semantic Web Workshop (SemWeb 2001) at the WWW Conference, May 2001, Hong Kong

Program Committee Member of Summer Schools

European Summer School on Logic, Language and Information (ESSLLI), Area: Language and Computation, August 2004, Nancy, France.

Reviewer for Special Issues of Journals

Special issue on *Ontologies and Terminologies: Continuity or Rupture*, Applied Ontology, IOS press – to appear

Special issue on *Artificial Intelligence, Wikipedia and Semi-Structured Resources*, Artificial Intelligence Journal, Elsevier – to appear

Special issue on *Semantic Analysis for Interactive Multimedia Services*, Signal Processing: Image Communication, Vol. 23:7, Elsevier, 2008

Special issue on *Summarization and Information Extraction from Medical Documents*, Artificial Intelligence in Medicine, Vol. 33:2, Elsevier, 2005

Special issue on *Semantic Lexicons*, Traitement Automatique des Langues, Vol. 42:3, Lavoisier, 2002

Regular Reviewer for Journals

Journal of Web Semantics, Elsevier

International Journal of Semantic Web and Information Systems, IGI Global

Computational Linguistics, MIT Press

Journal of Natural Language Engineering, Cambridge University Press

International Journal of Human-Computer Studies, Elsevier

Data & Knowledge Engineering, Elsevier

IEEE Intelligent Systems, IEEE Computer Society

The Knowledge Engineering Review, Cambridge University Press

Bioinformatics, Oxford University Press

Reviewer for Funding Agencies

IWT Strategic Basic Research (SBO), Flanders/Belgium

EU - Information Society Technologies (IST)

EU - European Cooperation in Science and Technology (COST)

Norwegian Research Council

Nederlandse Organisatie voor Wetenschappelijk Onderzoek - Dutch Research Council (NWO)

Science Foundation Ireland (SFI)

Oesterreichische Forschungsfoerderungsgesellschaft - Austrian Research Council (FFG)

Organization of Scientific Events

Conference Organizing Chair

[5th International Conference on Formal Ontology in Information Systems](#) (FOIS08), November 2008, Saarbrücken, Germany

Workshop Organizing Chair

[1st Workshop on the Multilingual Semantic Web](#) (MSW) at the 19th World Wide Web conference, April 2010, Raleigh, NC, USA - with Philipp Cimiano: Universitaet Bielefeld, Germany; Elena Montiel-Ponsoda, Universidad Politecnica de Madrid, Spain

[3rd Workshop on Ontology Learning and Population](#) (OLP3) at ECAI (European Conference on Artificial Intelligence), July 2008, Patras, Greece - with Philipp Cimiano: AIFB, University of Karlsruhe, Germany; George Paliouras, NCSR -"Demokritos", Greece; Myra Spiliopoulou, Otto-von-Guericke University Magdeburg, Germany

[OntoLex 2007 - From Text to Knowledge: The Lexicon/Ontology Interface](#) at ISWC07 (6th International Semantic Web Conference), November 2007, Busan, South-Korea - with: Key-Sun Choi, Semantic Web Research Center - KAIST, South-Korea; Aldo Gangemi, LOA-CNR, Italy; Chu-Ren Huang, Academia Sinica, Taiwan; Alessandro Oltramari, Cogito S.r.l., Italy

[2nd Workshop on Ontology Learning and Population](#) (OLP2) at COLING/ACL, July 2006, Sydney, Australia - with Philipp Cimiano: AIFB, University of Karlsruhe, Germany; Berenike Loos: EML, Heidelberg, Germany

[OntoLex 2006: Interfacing Ontologies and Lexical Resources for Semantic Web Technologies](#) at LREC (International Conference on Language Resources and Evaluation), May 2006, Genoa, Italy - with: Alessandro Oltramari, LOA-CNR & University of Trento, Italy; Chu-Ren Huang, Academia Sinica, Taiwan; Alessandro Lenci, University of Pisa, Italy; Christiane Fellbaum, Princeton University, USA

[Ontology Learning and Population](#) at ECAI (European Conference on Artificial Intelligence), August 22nd/23rd 2004, Valencia, Spain - with: Bernardo Magnini: IRST-Trento, Italy; Siegfried Handschuh: AIFB, University of Karlsruhe, Germany

Semantic Annotation and Intelligent Content at COLING (International Conference on Computational Linguistics), August 5/6, 2000, Luxembourg - with: Koiti Hasida: ETL, Japan

Workshop on [Lexical Semantics in Context: Corpus, Inference and Discourse](#) at ESSLLI (European Summer School on Logic, Language and Information), August 17-21, 1998, Saarbruecken, Germany - with: Johan Bos: Saarland University, Germany

Panel Organizing Chair

Domains, Topics and Senses in the context of the SENSEVAL2 Workshop at ACL/EACL, July 2001, Toulouse, France

Tutorials at International Conferences

[Ontologies and Lexical Semantics in Natural Language Understanding](#) at ESSLLI (European Summer School on Logic Language and Information), August 2007, Dublin, Ireland - with: Philipp Cimiano, AIFB, University of Karlsruhe, Germany

[Ontology Learning from Text](#) at EACL (Conference of the European Association for Computational Linguistics), April 2006, Trento, Italy - with: Philipp Cimiano, AIFB, University of Karlsruhe, Germany

[Ontology Learning from Text](#) at ECML/PKDD (European Conference on Machine Learning), October 2005, Porto, Portugal - with: Philipp Cimiano, AIFB, University of Karlsruhe, Germany; Marko Grobelnik, Jozef Stefan Institute, Ljubljana, Slovenia; Michael Sintek, DFKI GmbH, Germany

Student Supervision and Contributions to Education

PhD Supervisor (National University of Ireland, Galway)

April 2011 - now: Mihael Arcan, PhD Computer Science: *Semantic Technologies for Machine Translation*

November 2010 - now: Nitish Aggarwal, PhD Computer Science: *Semantic Methods in Cross-Lingual Search*

June 2010 - now: Tobias Wunner, PhD Computer Science: *Ontology Lexicalisation for Cross-Lingual Ontology-based Information Extraction*

April 2009 - now: Georgeta Bordea, PhD Computer Science: *Concept Extraction with Applications in Expert Finding*

April 2009 - now: Behrang Qasemizadeh, PhD Computer Science: *Relation Extraction for Technology Structure Mining*

PhD External Committee Member

Feb. 2011 – now: Friedel Wolff, PhD Computer Science, University of South-Africa: *Semantically Aware Translation Memory*

Dec. 2009 – Feb. 2011: Pinar Wennerberg, PhD Computational Linguistics, Ludwig-Maximilians-Universität München, Germany: *Corpus Based Methods for Ontology Modularization in Healthcare*

Oct. 2010 – Feb. 2011: Elena Montiel Ponsoda, PhD Applied Linguistics, Universidad Politécnica de Madrid, Spain: *Multilingualism in Ontologies - Multilingual Lexico-Syntactic Patterns for Ontology Modeling and Linguistic Information Repository for Ontology Localization*

Dec 2009: Antonio Toral, PhD Computational Linguistics, Universitat d'Alacant, Spain: *Enrichment of Language Resources by Exploiting New Text and the Resources Themselves: A case study on the acquisition of a NE lexicon*

Dec. 2006 – Dec. 2008: Gijs Geleijnse, PhD Industrial Design, Technische Universiteit Eindhoven, the Netherlands: *Information Extraction from the Web using a Search Engine*

Supervision of MSc/MA/BSc/BA Theses & German 'Diplom' (Saarland University, Germany)

Dec. 2006 - Sept. 2007: Mario Crespo Miguel, MSc Computational Linguistics: *Domain-specific English-to-Spanish Translation of FrameNet*

Aug. 2006 - April 2007: Thomas Eigner, BSc Computer Science: *OntoSelect: An online ontology library with automatic support for ontology selection*

Aug. 2005 - June 2006: Nicolas Weber, MSc Computer Science: *Webbasiertes Ontologielernen (Web-based Ontology Learning)*

Sept. 2004 - June 2006: Alexander Schutz, BA Computational Linguistics: *Relation Extraction for Ontology Extension*

April 2004 - Feb. 2005: Srikanth Ramaka, MSc Computer Science: *A Machine Learning Based Approach to Ontology Population*

Jan. 2003 - June 2004: Daniel Olejnik, Diplom Computer Science: *OntoLT: Ein Protege Plug-in fuer Textbasierte Ontologieextraktion (OntoLT: A Protege Plug-in for Text-based Ontology Extraction)*

June 2001 - Nov. 2002: Diana Raileanu, Diplom Computational Linguistics: *Domain Specific Semantic Tagging*

June 2000 - Feb. 2001: Bogdan Sacaleanu, Diplom Computational Linguistics: *Domain Specific Semantic Lexicon Tuning and Extension*

Teaching of University Courses

April 2009: *Natural Language Processing - for the Semantic Web*, National University of Ireland, Galway

April 2006 - July 2006: *Ontologies and Lexical Semantics*, Saarland University, Germany

April 2000 - July 2000: *Lexical Semantics in Information Systems*, Saarland University, Germany

April 1999 - July 1999: *Lexical Semantics in Information Systems*, Saarland University, Germany