

CURRICULUM VITAE

Walter Daelemans

Last updated January 2026

Position:	Full Professor (gewoon hoogleraar)
-----------	------------------------------------

Address:	CLiPS (Computational Linguistics, Psycholinguistics and Sociolinguistics) research center Department of Linguistics University of Antwerp, Prinsstraat 13 (building L), B-2000, Antwerpen, Belgium Email: walter.daelemans@uantwerpen.be URL: https://www.clips.uantwerpen.be/~walter/
----------	---

I am a Full Professor of Computational Linguistics and Artificial Intelligence at the CLiPS (Computational Linguistics, Psycholinguistics and Sociolinguistics) Research Center of the Department of Linguistics at the University of Antwerp. My research and teaching are on Natural Language Processing, Machine Learning, and Artificial Intelligence. I'm also research director of the Computational Linguistics Group of CLiPS, and of TEXTUA (the University of Antwerp core facility on Text Mining) both of which I co-founded. I previously was affiliated with Radboud University Nijmegen, the AI-LAB of the University of Brussels, and Tilburg University. In Tilburg, I founded the ILK (Induction of Linguistic Knowledge) research center in 1997, a research group pioneering machine learning approaches to Natural Language Processing (NLP).

I studied Linguistics and psycholinguistics at the University of Antwerp and the University of Leuven, and finished a PhD on Object-Oriented Natural Language Processing in 1987 in Leuven (*Studies in Language Technology: An Object-Oriented Computer Model of Morpho-phonological Aspects of Dutch*).

I was elected a EUrAI Fellow “for pioneering work in the field of Artificial Intelligence and outstanding service for the European Artificial Intelligence Community” (2003), was elected Fellow of the International Association for Computational Linguistics (ACL) “for significant contributions to the theory, methodology, and applications of machine learning of language” (2014), and was elected member of the Royal Academy for Dutch Language and Literature (KANTL) (2013).

I have been a (co-)promotor of more than 40 finished PhD projects (Section 4) and have been successful in competitive project acquisition, both in basic and applied research and in valorisation (I co-founded, among others, the language technology companies Textkernel in 2001 and Textgain in 2015).

I have been a member of more than 100 PhD committees, and an (associate) editor or editorial board member of the main journals of my field (JAIR, JMLR, Machine Learning Journal, Computational Linguistics Journal, Digital Scholarship in the Humanities, TACL, ARR, etc.). I'm currently editor-in-chief of *Computational Linguistics in the Netherlands journal*. I have been programme committee member or reviewer for numerous

academic journals, conferences and workshops, organiser of several international scientific events, and member of many advisory boards and committees.

You will find at the end a complete publication list and a list of invited lectures presented to academic and general audiences. I co-authored more than 450 publications and have contributed hundreds of invited presentations both to lay and academic audiences. My Google Scholar HI is 75.

I teach Artificial Intelligence, Computational Linguistics / Natural Language Processing, AI programming, and Machine Learning at all levels.

1 Professional Timeline

Dates	Affiliation	Role
Feb 1984–Aug 1985	Faculty of Social Sciences, Department of Psychology, University of Nijmegen	Research Assistant Language Technology project. Artificial Intelligence research and development.
Sep 1985–Jun 1986	Computer Department, Royal Higher Institute for Defense, Military Academy, Brussels	Military service. Development and maintenance of administrative programs and computer war simulations (“telebattle”).
Jul 1986–Jan 1989	Artificial Intelligence Laboratory, Faculty of Sciences, Computer Science Department, Free University of Brussels	Research Assistant, Artificial Intelligence research on Office Automation and Natural Language Processing.
Feb 1989–Dec 2005	Computational Linguistics and AI, Faculty of Language and Literature, Tilburg University. Nijmegen/Tilburg Center for Language Studies (CLS) and LOT (Netherlands Graduate School of Linguistics)	Research and teaching of Natural Language Processing and Artificial Intelligence. Assistant professor (1989), Associate professor (1996), Full professor <i>Machine Learning and Language Technology</i> (2003).
Jan 1990–Oct 1999	Linguistics Department, University of Antwerp	Part-time affiliation for teaching and research; Assistant professor, Associate Professor (Hoofddocent, 1992), Professor (Hoogleraar, 1999)
Mar–Nov 1995	Tilburg Institute for Language Technology and AI (ITK)	Interim Scientific Director
Jan 1997–Dec 2005	ILK (Induction of Linguistic Knowledge) research group	Founder and Research Director
Oct 1999–	Linguistics Department, University of Antwerp	Professor, Full professor (Jan 2006) Computational Linguistics and Artificial Intelligence
Oct 2000–Oct 2003	Artificial Intelligence Laboratory, Faculty of Sciences, Computer Science Department, Free University of Brussels	Guest Professor “Techniques of Artificial Intelligence: Text Mining”.
Jan 2006–Dec 2022	Computational Linguistics, Psycholinguistics and Sociolinguistics (CLiPS) research centre	Co-founder and research director (spokesperson).
Nov 2007–Dec 2007	Faculty of Humanities, Tilburg University, MA Human Aspects of Information Technology	Guest Professor “Text Mining”.
Jan 2022–	University of Antwerp	Co-founder and spokesperson of TEXTUA (core facility on Text Mining)

2 Education

Secondary School (ASO) Xaveriuscollege (Antwerp), Latin-Mathematics, graduated 1978.

BA University of Antwerp (Kandidaat Germaanse Filologie), 1980.

MA University of Leuven (Licentiaat Germaanse Filologie), 1982. Major: General Linguistics, Minor: English language and literature.

Teaching Qualification (Aggregatie HSO), University of Leuven, 1982.

Special Diploma Psycholinguistics (Postgraduate Degree), University of Leuven, 1983.

Certificate Scientific Journalism, University of Nijmegen, 1985.

Ph.D. Computational Linguistics (Doctoraat Letteren en Wijsbegeerte, “greatest distinction”), University of Leuven. Dissertation title: *Studies in Language Technology: An Object-Oriented Computer Model of Morpho-phonological Aspects of Dutch*, 1987.

3 Awards and Fellowships

Research Fellowship, directorate-general for international cultural co-operation, Flemish Government, at University of Nijmegen, 1984-1985.

Best paper award (NVKI-award 1988) First Dutch AI-Conference, April 13th, 1988, Amsterdam.

Visiting Research Fellow, School of Cognitive and Computing Sciences, University of Sussex, England (June – August, 1988). Travel grants from NFWO and British Council.

NIAS Fellow (Netherlands Institute for Advanced Study in the Humanities and Social Sciences), theme group Human Syntactic Processing, September 1, 1995 - February 15, 1996.

Elected ECCAI Fellow (European Coordinating Committee for Artificial Intelligence), renamed EUrAI Fellow, “for pioneering work in the field of Artificial Intelligence and outstanding service for the European Artificial Intelligence Community”, August 2003.

Elected member of KANTL (Royal Academy for Dutch Language and Literature), installation June 2014.

Elected by the International Association for Computational Linguistics as ACL Fellow “for significant contributions to the theory, methodology, and applications of machine learning of language.”, December 2014.

4 Supervised Ph.D.'s

1. Hans Paijmans, *Explorations in the Document Vector Model of Information retrieval*, Tilburg University, September 14, 1999. [co-promotor].
2. Sabine Geldof, *Context-sensitivity in Advisory Text Generation*, University of Antwerp, October 16, 2000. [promotor].
3. Guy De Pauw, *An Agent-Based Evolutionary Computing Approach to Memory-Based Syntactic Parsing of Natural Language*, University of Antwerp, September 30, 2002. [promotor].
4. Sabine Buchholz, *Memory-Based Grammatical Relation Finding*, University of Tilburg, December 13, 2002. [promotor].
5. Laura Maruster, *A machine learning approach to understand business processes.*, University of Eindhoven, August 27, 2003. [promotor].
6. Olga van Herwijnen, *Weighted error minimization in assigning prosodic structure for synthetic speech*, University of Eindhoven, May 17, 2004. [promotor].
7. Piroska Lendvai, *Extracting information from spoken user input*, Tilburg University, December 20, 2004. [promotor].
8. Véronique Hoste, *Optimization Issues in Machine Learning of Coreference Resolution.*, University of Antwerp, March 11, 2005. [promotor].
9. Iris Hendrickx, *Local classification and global estimation. Explorations of the k-nearest neighbor algorithm.*, University of Tilburg, November 21, 2005. [promotor]
10. Martin Reynaert, *Text Induced Spelling Correction*, University of Tilburg, December 2, 2005. [promotor]
11. Emmanuel Keuleers, *Memory-Based Learning of Inflectional Morphology.*, University of Antwerp, March 6, 2008. [promotor].
12. Remi Van Trijp, *Analogy and Multi-Level Selection in the Formation of a Case Grammar.*, University of Antwerp, September 22, 2008. [promotor]
13. Eric Van Horenbeeck, *Topical Facets. Semantic patterns between documents and the vocabulary.*, University of Antwerp, December 8, 2008. [promotor]
14. Sander Canisius, *Structured prediction for natural language processing. A constraint satisfaction approach.*, Tilburg University, February 13, 2009. [promotor]
15. Stephan Raaijmakers, *Multinomial Language Learning. Investigations into the geometry of language.*, Tilburg University, December 1, 2009. [promotor]
16. Lieve Macken, *Sub-sentential alignment of translational correspondences.*, University of Antwerp, May 28, 2010. [promotor]
17. Kim Luyckx, *Scalability Issues in Authorship Attribution*, University of Antwerp, December 7, 2010. [promotor]

18. Mike Kestemont, *Het gewicht van de auteur. Een onderzoek naar stylometrische auteursherkenning in de Middelnederlandse epiek*, University of Antwerp, May 23, 2012. [promotor]
19. Vincent Van Asch, *Domain similarity measures. On the use of distance metrics in natural language processing*, University of Antwerp, May 30, 2012. [promotor]
20. Tom De Smedt, *Modeling Creativity. Case Studies in Python.*, University of Antwerp, February 1, 2013. [promotor]
21. Bram Vandekerckhove, *Exemplar-based generalization at the interface between syntax and semantics*, University of Antwerp, November 19, 2013. [promotor]
22. Phil Jackson, *Toward Human-Level Artificial Intelligence. Representation and Computation of Meaning in Natural Language*, Tilburg University, April 22, 2014. [promotor]
23. Frederik Vaassen, *Measuring Emotion: Exploring the Feasibility of Automatically Classifying Emotional Text*, University of Antwerp, October 10, 2014. [promotor]
24. Nina Verhaert, *Rules or Regularities? The Homophone Dominance Effect in Spelling and Reading Regular Dutch Verb Forms*, University of Antwerp, January 20, 2016. [promotor]
25. Janneke van de Loo, *Machine learning approaches to modeling language use of individuals and demographic groups. Applications in societally relevant natural language processing*, University of Antwerp, November 28, 2016. [promotor]
26. Elyne Scheurwegs, *Data Integration for Clinical Coding Algorithms*, University of Antwerp, November 27, 2017. [promotor]
27. Ben Verhoeven, *Two Authors Walk into a Bar. Studies in Author Profiling*, University of Antwerp, June 27, 2018. [promotor]
28. Robert Grimm, *Computational Mechanisms for Bootstrapping in Language Development: Discovering Categories in Speech*, University of Antwerp, November 14, 2018. [promotor]
29. Giovanni Cassani, *The Bootstrapping Toolbox. Which cues are more useful to learn lexical categories and why?*, University of Antwerp, April 15, 2019. [promotor]
30. Lisa Hilde, *The Social in Social Media Writing. The impact of age, gender and social class indicators on adolescents' informal online writing practices*, University of Antwerp, May 29, 2019. [promotor]
31. Stéphan Tulkens, *Dynamic Reading. The processing of orthographic features by dynamical systems'*, University of Antwerp, September 11, 2020. [promotor]
32. Madhumita Sushil, *Exploring and Understanding Neural Models for Clinical Tasks*, University of Antwerp, January 25, 2021. [promotor]
33. Pieter Fivez, *More Meaning Than Meets the Eye. Robust and Scalable Applications of Pre-trained Representations for Biomedical NLP.*, University of Antwerp, September 27, 2021. [promotor]
34. Tim Kreutz, *Tapping the Social Stream. Inducing Language Resources for Computational Social Science*, University of Antwerp, October 19, 2022. [promotor]

35. Nicolae Banari, *Applications of artificial intelligence for the resource-scarce cultural heritage domain. From language and image processing to multi-modality*, University of Antwerp, November 21, 2022. [promotor]
36. Chris Emmery, *User-centered security in natural language processing*, Tilburg University, January 13, 2023. [promotor]
37. Maxime De Bruyn, *Studies in Conversational AI: Multilingual Capabilities, World Knowledge, and Evaluation Strategies*, University of Antwerp, January 31, 2024. [promotor]
38. Jens Lemmens, *Sweeping the Social Minefield. Detecting Online Opinions and Emotions with NLP.*, University of Antwerp, May 31, 2024. [promotor]
39. Ehsan Lotfi, *Stay Grounded: Incorporating Knowledge in Open-Domain Dialog*, University of Antwerp, June 14, 2024. [promotor]
40. August De Mulder, *Feeling (un)represented: A matter of (not) being mentioned?*, University of Antwerp, September 17, 2024. [promotor]
41. Jens Van Nooten, *The Many Faces of a Text: Applications and Enhancements of Multi-Label Text Classification Algorithms.*, University of Antwerp, March 7, 2025. [promotor]
42. Andriy Kosar, *Don't Make Me Guess. Automatically detecting and naming topics in large collections of text.*, University of Antwerp, June 26, 2025. [promotor]

5 Project Acquisition

Current Projects

VLAIO, postdoc, An agentic codified framework for lower hallucination and better explainability in Legal question answering, 01/01/2025-31/12/2026, (*Daelemans, De Raedt*), Researcher: Ehsan Lotfi, [331,500 EURO].

BOF, postdoc project, Classification of online multimodal data, 01/01/2025-31/12/2026, (*De Bruyne, Daelemans*), researcher: Jens Van Nooten, [60,000 EURO].

FWO IRI, CLARIAH-VL+: op weg naar de ‘SSH Open Science Cloud’ in Vlaanderen, 01/01/2025-31/12/2028, (*Van Hulle, Daelemans and others*), researcher: Jens Lemmens, [1,128,763 EURO].

WEWIS, VAIOP: Flanders AI Program, Phase 2, 01/01/2024-31/12/2028, (*José Oramas, Daelemans and others*), researchers: Victor De Marez, Jens Van Nooten, Jens Lemmens, Nicolai Banari, Maria Klio-caite, [2,224,850 EURO, 2024-2025].

FWO PhD, Evaluating and incorporating common sense in large language models to improve implicit language understanding, 01/11/2023-31/10/2027, researcher: Ine Gevers, [107,240 EURO].

FWO Infrastructure, Interacting minds, interacting bodies: Research infrastructure for psychophysiological sensor technologies and applications, 01/06/2022-31/05/2026, (*Gijbels, Daelemans and others*), [400,000 EURO].

BOF: Core Facilities, Antwerp Text Mining Centre (TEXTUA), 01/01/2022-31/12/2026, (*Daelemans, Kes-temont, Oramas, Martens*), researcher: Pieter Fivez, [400,000 EURO].

Previous Projects, chronological according to start date

Team manager AI-LAB Brussels for ESPRIT project 82 (Intelligent Work Station), 1986-1989.

Van Dale Lexicography (Utrecht): software development for computing pronunciation representations for a Dutch/French dictionary (Robert and van Dale) using the GRAFON-D system, 1987 and 1993.

1990

NFWO Research Grant 8.0034.90 (Fundamentele Menswetenschappen), Morphophonological Aspects of the Dutch Lexicon, 1/1/1990-31/12/1993, (*Gillis, Daelemans, De Schutter, Taldeman*), researcher: Gert Durieux, [74,370 EURO].

1991

Initiator, network coordinator (1991-1995), and Tilburg site coordinator (1991-1997) of Erasmus network (ICP NL-1022/09) on Natural Language Processing (with as partners Tilburg University, University of Antwerp, University of Barcelona, University of Catalunya, University of Sussex, University of Manchester, University of Gothenburg, University of Saarbruecken, University of Bielefeld, Dublin City University, Open University Madrid, Paris 7 University, University of Sheffield, Trondheim University, Torino University, University of Leeds, and Université de Provence). Student Mobility and (from 1994) Joint Curriculum Development, [53,000 EURO].

1994

NFWO PhD project, Machine learning of pragmatic knowledge, theoretical considerations and an implementation, 01/10/1994-30/09/1996, researcher: Bart Van Hoorick, [61,329 EURO].

- NFWO Research Grant 2.0101.94 (FKFO), The acquisition of linguistic knowledge: cognitive and language technology aspects, 01/01/1994-31/12/1997, (Daelemans, Gillis, *De Schutter*, Taeldeeman, Cuyt), researcher: Gert Durieux, [200,532 EURO].
- KEMA project, Data Mining for prediction of cooling water restrictions in power stations, 1994-1995, researcher: Jakub Zavrel, [18,150 EURO]. **1995**
- NFWO grant, Electronic Archive for Language Technology of Dutch, 01/10/1995 31/12/1996, (Daelemans, Gillis), [12,390 EURO].
- FWO/WOG, Computational Linguistics and Language technology, 01/01/1995-31/12/1999, (*De Schutter*, Daelemans, Gillis), [24,789 EURO].
- IWT Research Grant 940047, FONILEX: A Pronunciation Lexicon of Flemish Dutch, 01/01/1995-30/06/1997, (*Gillis*, Daelemans), researcher: Peter Berck, [27,649 EURO].
- CLS PhD Project, Machine Learning as a Tool in Linguistic Research, 01/02/1995-31/01/1999 (an ILK project), researcher: Jakub Zavrel, [83,950 EURO].
- STW Project NGN55.3615, Hybrid Modelling Techniques for Data-base mining. (Coordination: C. Gielen, K.U.Nijmegen), 01/09/1995-31/12/1999, researcher: Machiel Westerdijk, [90,760 EURO].
- Stim. EU fin.-VISt, Memory based acquisition and processing of morphological and syntactic knowledge for language technological applications. 01/07/1995-30/06/1996, (Daelemans, *Gillis*), 01/07/1995-30/6/1996, researcher: Peter Berck, [35,672 EURO]. **1996**
- NFWO-NWO Flemish-Dutch cooperation research project G.2201.96, A data-driven model of language acquisition: computational and psycholinguistic studies, 01/01/1996-31/12/2000, (De Schutter, *Gillis*, Daelemans), researcher: Masja Kempen, [260,585 EURO]. **1997**
- SOBU PhD Project 97J, Machine Learning for linguistic aspects of Text-to-Speech), 01/01/1997-31/12/2000, researcher: Bertjan Busser, [90,760 EURO].
- CLS PhD Project, Memory-Based Syntactic Analysis, 01/01/1997-31/12/2000, researcher: Jorn Veenstra, [84,090 EURO].
- FWO Research Grant G.0157.97, Linguaduct: Contextual Interpretation of Natural Language Using Abductive Reasoning and Inductive Knowledge, 01/01/1997-31/12/2000, (*Paredaens*, Daelemans), researchers: Peter Berck (1/5/97-31/12/97), Guy De Pauw (1/7/97-30/9/98), Véronique Hoste (1/11/98-31/12/2000), [236,590 EURO].
- NWO project ILK (Induction of Linguistic Knowledge): PhD Project 300-75-302, Machine Learning of Subcategorisation, 01/05/1997-30/06/2001, researcher: Sabine Buchholz; Postdoc Project 300-75-301, Generalization and Abstraction from Language Data. 01/09/1997-31/12/2001, researcher: dr. Antal van den Bosch (from 1 Sep 1997 until 1 Jul 1999); dr. Khalil Sima'an (1 Jul 1999 - 31 Dec 2001), [272,270 EURO]. **1998**
- EU-FP4, ESPRIT TMR network 970139, Extending Computational Grammars by Learning, 01/05/1998-30/04/2001, researcher: dr. Erik Tjong Kim Sang, [208,231 EURO].
- FWO PhD Project, Syntax as a bottleneck in language technology research, 01/10/1998-30/09/2002 (*Daelemans*, Gillis), researcher: Guy De Pauw, [123,950 EURO].

- SOBU PhD Project 98D, Automatic inductive learning for planning systems, 01/12/1998-31/11/2002. (*van den Bosch*, Daelemans, Weijters), researcher: Laura Maruster, [90,910 EURO].
- BOF Concerted Research Action (GOA), Computational Psycholinguistics: natural and artificial language acquisition and processing, 01/01/1998-31/12/2003 (*Gillis*, Daelemans, De Schutter, Sandra), researchers: Gert Van Rillaer, Gert Durieux, Helena Taelman, Evelyn Martens, [1,167,208 EURO]. **1999**
- NWO subsidies in the framework of the Dutch-Flemish *Corpus Gesproken Nederlands* (Corpus Spoken Dutch) project; Evaluation of part-of-speech taggers, 15/02/99-15/06/99, [12,480 EURO] and Construction of a tagger factory, 01/09/99-31/12/2002, [10,180 EURO], researcher: Jakub Zavrel (1/2/99-1/9/99).
- FLV, CELE, S.A.I.L Trust research project, Neuro-evolutionary language and speech technology, 01/04/1999-31/12/2000, researchers: Anne Kool (from 1/4/1999), Jakub Zavrel (from 1/9/1999), [176,893 EURO].
- NCF research grant, Parallelisation of Memory-Based Learning in TiMBL, 22/12/99-22/12/2000, researchers: Jakub Zavrel, Ko van der Sloot, [22,270 EURO]. **2000**
- Flemish Government (Economy), minister Dirk Van Mechelen, Analysis of the domain of language technology and image processing. 01/11/2000-31/10/2002, [12,395 EURO].
- E-Corporation N.V. research project, Topic spotting and tracking in newspaper text, 01/07/2000-31/07/2003, researcher: Eric Van Horenbeeck, [75,575 EURO].
- IWT STWW (Strategische Technologieën voor Welzijn en Welvaart) TOP project, ATRANOS: Automatic Transcription and Normalisation of Speech, 01/10/2000-30/09/2004, researchers: Bart Decadt (until July, 2001), Erik Tjong Kim Sang (from July, 2001), [341,225 EURO].
- FWO Scientific Research Community, Computational Linguistics, Language and Speech Technology, 01/01/2000-31/12/2004. With CCL, ESAT, ELIS, ETRO, Lessius, ARTI, [10,337 EURO]. **2001**
- Nederlandse Taalunie project, Action plan Dutch in language and speech technology, 01/01/2001-31/08/2001, researcher: Masja Kempen, [30,609 EURO].
- FWO-NWO Flemish-Dutch cooperation research project (VNC project) G.2201.01, Text Analysis and Machine Learning for Prosody (PROSIT), 01/01/2001-31/12/2004, (*Daelemans*, Gillis, Swerts), researcher: Véronique Hoste, [212,593 EURO].
- FWO project, Language acquisition in children with a cochlear implant, 01/01/2001-31/12/2004, (*Gillis*, Daelemans), [237,383 EURO].
- Project MIDP (Multilingual, Informatics Development Project), cooperation between Province of Antwerp, the University of Antwerp, the Provincial government of the Free State and the University of the Free State, 01/05/2001-31/01/2004. **2002**
- FWO hardware grant, Genetic algorithms and data mining for language and speech technology, 2002, (*Naudts*, Calders, Daelemans), [34,160 EURO].
- EU subcontract, METIS (Statistical Machine Translation using Monolingual Corpora), IST-2001-32775, 01/03/2002-28/02/2003, subcontractor of CCL Leuven for lemmatization and POS tagging, [10,000 EURO].

BOF opvangmandaat FWO (University of Antwerp) project, Techniques for the incorporation of linguistic knowledge in machine learning of language, 01/10/2002-30/09/2003, researcher: Fien De Meulder, [25,000 EURO].

EU-FP5 project, MUSA (Multilingual Subtitling of Multimedia Content), IST-2002-38299, 01/09/2002-28/02/2005. Partners: ILSP, BBC, Systran, Lumière Cosmos, ESAT-PSI, researcher: Anja Höthker, [196,332 EURO].

FWO project G.0350.02, SEMADUCT: combination of deductive and inductive techniques for lexical semantics, 01/01/2002-31/12/2005, partner CCL, Leuven, researcher: Bart Decadt, [217,551 EURO].

IWT-GBOU project, OntoBasis. Foundations, construction, services, and applications of Ontologies, 01/01/2002-31/12/2005, partners STAR and WISE, Brussels, researcher: Marie-Laure Reinberger, [365,831 EURO].

IWT GBOU project, FLAVOR (Flexible Large Vocabulary Recognition), 01/10/2002-30/09/2006, (*Daelemans*, Gillis), researchers: Guy De Pauw, Evie Coussé (until 1 October 2004), Kim Luyckx (from 1 October, 2004), [680,640 EURO].

FWO Scientific Research Community, Machine Learning for datamining and its applications, 01/01/2002-31/12/2006. Partners Computational Modeling Lab (VUB), ESAT-SISTA (University of Leuven), DTAI (University of Leuven), ISLab (University of Antwerp), [12,500 EURO].

BOF-Postdoc, Functions of audiovisual prosody, 01/10/2002-30/09/2005, researcher: Marc Swerts, [200,513 EURO].

2003

FWO PhD Project, The use of very large textcorpora in the automatic discovery of structure in natural language, 01/10/2003-28/02/2005, (*Daelemans*, Van Der Auwera), researcher: Fien De Meulder, [31,084 euro].

BOF-NOI project, Semi-supervised learning of Information Extraction, 01/01/2003-31/12/2004, extended 01/04/2005. (*Tjong Kim Sang*, Paredaens, Daelemans; From 01/09/2004, *Daelemans*), researchers: An De Sitter; from 01/09/2004, Véronique Hoste, [78,000 EURO].

NWO IMIX small programme, ROLAQUAD: Robust language understanding for question answering dialogues, 01/12/2003-30/11/2007, (*Daelemans*, van den Bosch), researchers: Sander Canisius, dr. Piroška Lendvai, [299,867 EURO].

EU-FP5 project, BioMinT (Biological Text Mining), QLRT-2001-02770, 01/01/2003-31/03/2006, Partners University of Manchester, PharmaDM, ÖFAI, SIB, University of Geneva, researchers: Frederik Durant (until May 14, 2004); Jo Meyhi (from May 3, 2004), [240,994 EURO].

EU Project-FP6 IST-2002-506778, PASCAL: Pattern Analysis, Statistical Modelling and Computational Learning, 01/12/2003-29/02/2008, [128,000 EURO].

2004

FWO project, Situational factors in the production of inflected word forms: a psycholinguistic and computational approach, 1/1/2004-31/12/2007, (*Sandra*, Martensen, Daelemans), researcher: Emmanuel Keuleers, [226,900 EURO].

EWI, Flanders Ministry of Science, Innovation and Media, Supercomputing cluster project, 01/01/2004-31/12/2006, (*Cuyt*, Peeters, Van Broeckhoven, De Schutter, Van Alsenoy, Daelemans), [1,000,000 EURO].

- 2005**
- EU-FP6 PASCAL pump priming project, Textual Entailment: a Generic Framework for Applied Semantic-oriented Inference, 01/03/2005-31/12/2005, partners Bar-Ilan University, XEROX Grenoble, University of Geneva, researcher: Anja Höthker, [20,000 EURO].
- NTU STEVIN project, COREA: Coreference Resolution for Extracting Answers, 01/05/2005-31/10/2007, partners: University of Groningen and Language and Computing, researchers: Véronique Hoste. From May 1, 2006, Iris Hendrickx, [181,260 EURO].
- 2006**
- NTU STEVIN project, DAESO: Detecting and Exploiting Semantic Overlap, 01/06/2006-31/05/2009, partners University of Tilburg, University of Amsterdam, Textkernel, researcher: Iris Hendrickx, [154,999 euro].
- FWO WOG (Scientific research Community), CLIF: Computational Linguistics in Flanders. 01/01/2006-31/12/2010, (inter-university network on Computational Linguistics, Language and Speech Technology), [12,500 EURO].
- FWO Postdoc, Linguistic description of resource-scarce languages using machine learning techniques, 01/10/2006-30/09/2012, researcher: Guy De Pauw, [452,607 EURO].
- 2007**
- FWO project, Computational techniques for stylometry for Dutch, 01/01/2007-31/12/2010, (*Daelemans*, De Pauw), researchers: Kim Luyckx (until 30/9/2010), Mihai Tolea (01/10/2008-30/9/2009), Frederik Vaassen (1/9/2009-31/12/2009), [227,700 EURO].
- IWT (TETRA fund) project, GRAVITAL: natural language analysis for generating visual communication and art, 01/01/2007-31/12/2008, with partner Sint-Lucas (KdG University College), researcher: Vincent Van Asch, [74,412 euro].
- BOF GOA project, Biograph: Text Mining with Heterogeneous knowledge bases, 01/07/2007-31/12/2011. (*Daelemans*, Paredaens, Del-Favero, De Rijk), researchers: Roser Morante, Emmanuel Keuleers (01/01/2008-30/6/2008), Vincent Van Asch (01/01/2009-31/01/2012), [1,103,000 EURO].
- FWO PhD project, Exemplar-based models of human sentence comprehension, 01/10/2007-30/09/2011. (*Sandra*, *Daelemans*), researcher: Bram Vandekerckhove, [151,701 EURO].
- 2008**
- NTU STEVIN demonstration project, NEON: Dutch Subtitling, 01/06/2008-31/05/2009, with partners Twente University, VRT, NOS, University of Leuven, University of Ghent, [9,000 euro].
- IOF PhD project, Artificial creativity in visual communication and arts, 01/10/2008-30/09/2012, (*Daelemans*, Nijs), researcher: Tom De Smedt, [146,000 euro].
- FWO PhD project, “The end rhyme in Middle Dutch epic literature: development and relationship to authorship and genres.”, 01/01/2008-30/09/2012, (*Willaert*, *Daelemans*), researcher: Mike Kestemont, [154,500 EURO].
- EU-FP6 Project, ICT-216886-PASCAL2, PASCAL 2: Pattern Analysis, Statistical Modelling and Computational Learning, 01/03/2008-28/02/2011, [7,200 EURO].
- EU, ECP-2007-LANG-617001, Fostering Language Resources Network (FLARENET), 01/09/2008-31/08/2011, [9,000 euro].

- 2009**
- BOF Sabbatical project, Towards a synthesis of knowledge-based and data-based methods in computational linguistics, 01/10/2009-30/09/2011, [30,000 EURO].
- 2010**
- FWO WOG (Scientific Research Society), Machine Learning and Data Mining Applications (inter-university cooperation on Machine Learning), 1/1/2009-31/12/2013, [8929 EURO].
- IWT SBO preproject, AMICA: Automatic monitoring for cyberspace applications, 01/10/2010-30/09/2011, researcher: Kim Luyckx, [72,600 EURO].
- IWT Tetra project, Delearyous: interpersonal communication training of natural language interaction with autonomous virtual characters, 01/01/2010-31/12/2012, with partner Groep T Leuven (Koen Eneman), researcher: Frederik Vaassen, [81,400 EURO].
- EWI research project, STYLENE: a web service for stylometry and readability research for the Dutch language, 01/01/2010-30/09/2012, with partner LT3 Ghent, researcher: Koen Vereeken, Herwig De Smedt, [120,000 EURO].
- EWI research project, TTNWW: TST tools for Dutch as web services in a workflow, 01/01/2010-30/9/2012, [59,000 EURO].
- FWO research project, Statistical Relational Learning of Natural Language, 01/01/2010-31/12/2013, with partner De Raedt, KULeuven), researcher: Vincent Van Asch, [269,800 EURO].
- BOF PhD project, DAPHNE: A safer internet: semi-automatically recognizing internet paedophilia in multilingual online social networks, 01/01/2010-31/12/2013, (*Daelemans*, Van Vaerenbergh), researcher: Claudia Peersman, [167,200 EURO].
- 2011**
- Artesis project (BOF), Audio Description in Dutch: corpus research for a new multimodal translation form, 14/02/2011-01/07/2012. (*Remael*, Daelemans), researcher: Nina Reviere, [35,000 EURO].
- Nationale Bank van België project, Analyzing the impact of news on Belgian share prizes with text mining, 01/01/2011-31/12/2013, (*Martens*, Daelemans), researcher: Enric Junqué de Fortuny, [44,000 EURO].
- NRF-DAC (South-Africa) project, Genre Classification for Document Management, 2011-2012, (*Van Huyssteen*, Daelemans)), partners: CText, Trifonius.
- IWT SBO project, ALADIN: Adaptation and Learning for Assistive Domestic Vocal Interfaces, 01/01/2011-31/12/2014, researchers: Janneke van de Loo, Guy De Pauw, [289,266 EURO].
- FWO project, Authorship, composition and textual interconnectedness of three 16th-century mystical texts. Die evangelische peerle, Vanden tempel onser sielen, and the Arnhem mystical sermons. A stylometric approach, 01/01/2011-31/12/2014, (*Schepers*, Daelemans), researcher: Renske van Nie, [259,000 EURO].
- 2012**
- NTU-DAC (Dutch Language Union) project, Automatic Compound Processing (AuCoPro), 01/01/2012-31/12/2013, partners: Van Huyssteen, Van Zaanen, researcher: Ben Verhoeven, [6,500 EURO].
- FWO Postdoc, A medieval Stylome? Exploring the Universal Stylome Hypothesis in medieval prose, 01/10/2012-30/09/2015, (*Willaert*, Daelemans), researcher: Mike Kestemont, [241,731 EURO].

- FWO project, Abstract rules or statistical learning? The impact of lexical and sublexical homophony in spelling and reading homophonous verb forms, 01/01/2012-31/12/2015, (*Sandra*, Daelemans), researcher: Nina Verhaert, [263,000 EURO]. **2013**
- EU subcontract, Evaluation of Tools in Succeed, 25/10/2013-24/10/2014, [7200 EURO].
- BOF (UA AUHA) project, Digitaal Archief van Belgische Neo-Avant-gardetijdschriften (DABNAP), 01/01/2013-31/12/2014, (*Daelemans*, Crombez), researchers: Sarah Bekaert, Frederik Vaassen, [20,000 EURO].
- IWT SBO project, AMiCA: Automatic Monitoring for Cyberspace Applications, 01/01/2013-31/12/2016. partners: LT3, ESAT-PSI, MIOS, IDLAB, researchers: Guy De Pauw (2013-2016), Ben Verhoeven (2013-2014), Janneke van de Loo (2013-2015), Chris Emmery (2014-2016), [879,375 EURO]. **2014**
- IOF POC project, Text analytics web services for profiling and opinion mining, 01/02/2014-31/01/2015, researchers: Guy De Pauw, Tom De Smedt, [58,500 EURO]. Resulted in spin-off Textgain.
- NBB project, A publicly available economic uncertainty index indicator for the countries of G8 based on text mining, 01/10/2014-30/09/2015, (*Martens*, Daelemans), [38,260 EURO].
- Consultancy project: scientific support for the Dutch insurance company ACHMEA through an internal workshop ("hackaton"), 12/09/2014-31/12/2014, [5310 EURO].
- IWT PhD project, Data fusion and structured input and output Machine Learning techniques for automated clinical coding, 01/01/2014-31/12/2017, (*Van den Bulcke*, Daelemans, Luyten; Van den Bulcke replaced by Goethals in 2015), researcher: Elyne Scheurwegs, [172,118 EURO].
- FWO PhD project, Deep Linguistic Features for Computational Stylometry, 01/10/2014-30/9/2018, researcher: Ben Verhoeven, [175,248 EURO].
- BOF TOP project, Bootstrapping Operations in Language Acquisition: a computational psycholinguistic approach, 01/01/2014-31/08/2018, (Daelemans, *Gillis*), Researchers: Robert Grimm, Giovanni Cassani, [420,000 EURO]. **2015**
- FWO project, The interaction of gender and social class in Flemish online teenage talk, 01/01/2015-31/12/2018 (*Vandekerckhove*, Daelemans), researcher: Lisa Hilde, [246,372 EURO].
- FWO Scientific Research Association, Digital Humanities in Flanders, 01/01/2015-31/12/2019, (*Van Hulle*, Daelemans and others), [4167 EURO].
- BOF project, Periodization in Literary History: A Computational Model of the History of Dutch Literature, 01/10/2015-30/11/2015, (*Willaert*, Daelemans), researcher: Mike Kestemont, [15,000 EURO]. **2016**
- Consultancy project Display-Direct, Development of a semantic model of companies, products and product properties (Product Space), 01/07/2016-01/10/2016, [17,140 EURO].
- Consultancy project Seedlinktech, Proof of concept project for the development of an employee embedding system, 15/02/2016-01/04/2016, [5,265 EURO].
- IWT SBO project, ACquiring CrUcial Medical information Using LAnguage TEchnology (ACCUMULATE), 01/01/2016-01/06/2020, with partners in KULeuven, UZA, UZ Leuven, researchers: Stéphan Tulkens, Pieter Fivez, Simon Šuster, Madhumita Sushil, [737,900 EURO].

- FWO PhD project, The role of semantics in modeling the bilingual mental lexicon, 01/10/2016-30/09/2020, (*Daelemans*, Sandra), researcher: Stéphan Tulkens, [184,908 EURO].
- BELSPO BRAIN.be project, Intelligent Neural Systems as Integrated Heritage Tools (Insight), 15/12/2016-15/03/2021, (*Kestemont*, Van Hulle, Daelemans), researcher: Nicolae Banari, [224,989 EURO]. **2017**
- VLAIO Baekeland project, Optimisation of Adaptability of Clinical Information Extraction Systems: Deep Learning and User-feedback Propagation Techniques, 01/09/2017-31/08/2021, researcher: Charlotte Hansart (Project stopped by researcher and company Lynxcare), [50,000 EURO].
- Consultancy projects Lynxcare, Text analytics for Information Extraction from Clinical Reports, 01/04/2017-30/10/2018, and 01/07/2017-30/06/2022, [136,425 EURO].
- BOF fiscal recuperation project, Towards a European Time Machine, 01/10/2017-30/09/2019, (*Kestemont*, Daelemans, Van Hulle, Van Damme, Soens), [10,000 EURO].
- BOF GOA project, The influence of political news on civilians, and of civilians on political news, in social media times. Theoretical challenges and empirical possibilities, 01/01/2017-31/12/2021 (*Van Aelst*, Daelemans, Martens, Paulussen, Walgrave), researcher: Tim Kreutz, [930,949 EURO]. **2018**
- FWO infrastructure project, CATCH 2020: Computer-Assisted Transcription of Complex Handwriting, 01/05/2018-30/04/2021, (*Van Hulle*, Kestemont, Daelemans), [400,000 EURO].
- FWO project, Solving Problems from Combinatorics and Probability Theory in Natural Language, 01/01/2018-31/12/2021, partner: KULeuven, researchers: Pieter Fizez, Simon Šuster, [116,000 EURO].
- BOF Sabbatical project, Text Understanding, 01/10/2018-30/09/2020, [30,000 EURO]. **2019**
- EU-H2020-FET, Big Data of the Past for the Future of Europe (Time Machine), 01/03/2019-29/02/2020 (*Van Damme*, Kestemont, Soens, Van Hulle, Daelemans, Vanhoutte), [32,726 EURO].
- German Research Center for AI (EU, DFKI), European Language Grid, 12/12/2019-30/11/2021, [8,000 EURO].
- IOF-SEP Project, Artificial Intelligence for Creative Language Use, 01/12/2019-30/11/2021, researcher: Jens Lemmens, [50,000 EURO].
- FWO International Research Infrastructure, CLARIAH-VL: Open Humanities Service Infrastructure, 01/02/2019-31/01/2021, (*Van Hulle*, Soens, Kestemont, Daelemans), [265,524 EURO].
- EWI, Flanders AI Project, Grand Challenge 4, WP2, Natural Language Processing, Conversational Agents, 01/07/2019-31/12/2023, (core PI), partners: LT3, AI-LAB, IDLAB, LIIR, researchers: Jeska Buhmann, Ehsan Lotfi, Maxime De Bruyn, [4,756,728 EURO].
- FWO Junior postdoctoral fellowship, Accommodation and non-accommodation in adolescents' informal online writing: Social determiners and linguistic effects, 01/10/2019-20/09/2022, (*Vandekerckhove*, Daelemans), researcher: Lisa Hilte, [248,828 EURO].
- FWO senior postdoctoral fellowship, Reputation and Structural Reforms of Public Organizations: Explaining Temporal Dynamics, 01/10/2019-20/09/2022, (*Verhoest*, Daelemans), researcher: Jan Boon, [275,541 EURO].

- FWO SLOVENIA project, The linguistic landscape of hate speech on social media, 01/01/2019-31/12/2024, researchers: Ilija Markov, Tom De Smedt, Nerses Yuzbashian, [359,200 EURO]. **2020**
- BOF research project, The effects of representative claims on citizens' feeling of being (un)represented, 01/11/2020-31/10/2021, (*Walgrave*, Daelemans), researcher: August De Mulder, [45,000 EURO].
- BOF-OEC Excellence Center, Research Centre on Representatives and their Communication (RCRC), 01/01/2020-31/12/2025, (*Walgrave*, Paulussen, Van Aelst, Daelemans), [600,000 EURO].
- FWO-WOG scientific research community, Dialect Syntax Revisited, 01/01/2020-31/12/2024, [15,625 EURO]. **2021**
- Datawoods NV, Tenderwolf: Matching public tenders and companies, 01/04/2021-31/03/2022, researcher: Jens Van Nooten, [37,440 EURO].
- Vaccine Confidence Fund (Global Impact, USA charity), Research to increase confidence in maternal vaccination by digital communication interventions, 23/09/2021-28/02/2022, (*Maertens*, Poels, Jacoby, Daelemans), [248,491 EURO].
- Federal Ministry of Health project, VAXCOM: Monitoring, addressing and reducing COVID-19 vaccination doubt in Belgium through continuous mapping, early automatic detection and evidence-based strategic communication, 01/03/2021-30/06/2022, (*Poels*, Van Damme, Vandebosch, Daelemans), [250,000 EURO].
- EU project, European Language Equality (ELE), 01/01/2021-30/06/2022, [15,000 EURO].
- CLARIN ERIC, Demonstrating EOSC Value through Cross-domain Research Science Projects, 01/04/2021-30/09/2023, TEXTUA project, [141,250 EURO].
- VLAIO Baekeland, Intelligent document management through automatic topic discovery (with Textgain), 01/08/2021-31/07/2025, researcher: Andriy Kosar, [48,000 EURO].
- FWO International Research Infrastructure, CLARIAH-VL 2: Open Humanities Service Infrastructure, 01/02/2021-31/01/2025, (*Daelemans*, Van Hulle, Soens, Kestemont), researchers: Jens Lemmens, Jens Van Nooten, [1,036,500 EURO]. **2022**
- IOF: POC CREATE project, Context-Aware Fashion Recommendations through Image Processing and Conversational Language Technology, 01/05/2022-30/04/2023, (*Daelemans*, Kestemont), researcher: Nicolae Banari, [125,000 EURO].
- Pera People Science, Consultancy on AI optimization of recruitment and talent software, 25/10/2022-31/01/2023, TEXTUA, [9600 EURO].
- BOF: TOP project, "Trust me, I defend your interests". A Multidisciplinary Study of Politicians' Representative Claims and their Effects on Citizens, 01/01/2022-31/12/2025, (*Walgrave*, Daelemans), researchers: Ine Gevers, Jens Lemmens, [440,358 EURO]. **2023**
- IOF: POC CREATE, Neuralex – supercharging legal search with ChatGPT-like technologies, 01/09/2023-31/08/2024, researchers: Ehsan Lotfi, Nicolae Banari, [124,726 EURO].

VLAIO-healthTech ICON, Multilingual self speech audiometry (MuLiSSA), 01/04/2023-31/03/2025, (Dalemans, *Gillis*), researcher: Leonardo Grotti, [278,771 EURO].

De Deeluitgeverij, Development of a recommendation system for popular-scientific publications using Artificial Intelligence, 01/01/2023-31/12/2024, TEXTUA, [120,000 EURO].

6 Professional Activities

Membership Ph.D. Committees

1. Koenraad de Smedt, *Incremental Sentence Generation*, (NICI, University of Nijmegen, manuscript and promotion committee, 1990).
2. Jan Scholtes, *Neural Networks in Natural Language Processing and Information retrieval*, (University of Amsterdam, thesis and promotion committee, 1993).
3. Erik-Jan van der Linden, *A Categorical, Computational Theory of Idioms*, (Tilburg University, Ph.D. and promotion committee, 1993).
4. Sheila Williams, *A Computational System for Lexical Phonology*, (University of Reading, UK, External Examiner, 1993).
5. Theo Vosse, *Grammar-Based Spelling Error Correction in Dutch*, (University of Leiden, Referee and promotion committee, 1994).
6. Jim Entwistle, *A Parser for English using Constraints on Surface Sentence Form*, (The Flinders University of South Australia, External Examiner, 1995, 1998).
7. Paula Monachesi, *A Grammar of Italian Clitics*, (Tilburg University, Ph.D. and promotion committee, 1996).
8. Mieke Rats, *Topic management in Information Dialogues*, (Tilburg University, Ph.D. and promotion committee, 1996).
9. Jeroen Hoppenbrouwers, *Conceptual Modeling and the Lexicon.*, (Tilburg University, Ph.D. and promotion committee, 1997).
10. Antal van den Bosch, *Learning to pronounce written words. A study in inductive language learning.*, (Maastricht University, Ph.D. and promotion committee, 1997).
11. Licia Calvi, *A Proficiency-Adapted Framework for Browsing and Information Filtering in Web-Based Educational Systems.*, (University of Antwerp, examination committee, 1998).
12. Erik Tjong Kim Sang, *Machine Learning of Phonotactics.*, (University of Groningen, promotion committee, 1998).
13. Khalil Sima'an, *Learning Efficient Disambiguation.*, (University of Utrecht, promotion and manuscript committee, 1999).
14. Margriet Verlinden, *A constraint-based grammar for dialogue utterances.*, (Tilburg University, promotion and manuscript committee, 1999).
15. Lluís Màrquez i Villodre, *Part-of-speech tagging: A Machine Learning Approach based on Decision Trees.*, (Universitat Politècnica de Catalunya, membre de tribunal), 1999.
16. Erwin Marsi, *Intonation in Spoken Language Generation*, (Katholieke Universiteit Nijmegen, promotion committee), 2001.

17. Machiel Westerdijk, *Hidden Variable Models for Knowledge Discovery.*, (Katholieke Universiteit Nijmegen, manuscript and promotion committee), 2001.
18. Alexander Clark, *Unsupervised Language Acquisition: Theory and Practice.*, (University of Sussex, external examiner), 2001.
19. Andrea Krott, *Analogy in Morphology. The Selection of Linking Elements in Dutch Compounds.*, (Katholieke Universiteit Nijmegen, manuscript and promotion committee), 2001.
20. Sandra Kübler, *Memory-Based Parsing of a German Corpus.*, (Universität Tübingen, reviewer), 2003.
21. Christophe Costa Florencio, *Learning Categorical Grammars.*, (Utrecht University, manuscript and promotion committee), 2003.
22. Stasinios Konstantopoulos, *Using ILP to Learn Local Linguistic Structures.*, (University of Groningen, manuscript and promotion committee), 2003.
23. Fermin Moscoso del Prado Martin, *Paradigmatic Structures in Morphological Processing.*, (University of Nijmegen, cum laude and promotion committee), 2003.
24. Tanja Gaustad, *Linguistic Knowledge and Word Sense Disambiguation.*, (University of Groningen, manuscript and promotion committee), 2004.
25. Stefan Frank, *Computational modeling of discourse comprehension.* (University of Nijmegen, manuscript and promotion committee), 2004.
26. Victoria Frâncu, *Multilingual access to information using an intermediate language.* (University of Antwerp doctoral jury), 2004.
27. Mary Hearne, *Data-Oriented Models of Parsing and Translation.* (Dublin City University, external examiner), 2004.
28. Pham Hong Nguyen, *Thin Parsing.* (University of Sydney, external examiner), 2005.
29. Joris Van Looveren, *Design and Performance of Pre-Grammatical Language Games.* (Vrije Universiteit Brussel, doctoral jury member), 2005.
30. Joakim Nivre, *Inductive Dependency Parsing of Natural Language Text.* (Växjö University, opponent), 2005.
31. Ielka van der Sluis, *Multimodal Reference. Studies in automatic generation of multimodal referring expressions.* (Tilburg University, member doctoral committee), 2005.
32. Gabriel Infante-Lopez, *Two-level probabilistic grammars for natural language parsing.* (University of Amsterdam, member doctoral committee), 2005.
33. Alfio Gliozzo, *Semantic Domains in Computational Linguistics.* (University of Trento, member doctoral committee), 2005.
34. Marelle Davel, *Pronunciation modelling and bootstrapping.* (University of Pretoria, external examiner), 2005.

35. Ana Karla Alves de Medeiros, *Genetic Process Mining*. (University of Eindhoven, member doctoral committee), 2006.
36. Valentin Zhizhkun, *Graph Transformations for Natural Language Processing*. (University of Amsterdam, member doctoral committee), 2006.
37. François Yvon, *Des apprentis pour le traitement automatique des langues*. (Université de Paris VI, rapporteur habilitation thesis), 2006.
38. Gerard Escudero Bakx, *Machine Learning Techniques for Word Sense Disambiguation*. (Universitat Politècnica de Catalunya, Barcelona, member doctoral committee), 2006.
39. Lili Aunimo, *Methods for Answer Extraction in Textual Question Answering*. (University of Helsinki, pre-examiner), 2007.
40. Joachim De Beule, *Compositionality, Hierarchy and Recursion in Language*. (Vrije Universiteit Brussel, member doctoral committee), 2007.
41. Frizo Janssens, *Clustering of scientific fields by integrating text mining and bibliometrics*. (KU Leuven, member doctoral committee), 2007.
42. Gemma Boleda, *Automatic acquisition of semantic classes for adjectives.*, (Pompeu Fabra University, Barcelona, member doctoral committee), 2007.
43. Deirdre Hogan, *On Coordination Disambiguation in Generative Parsing Models, with Memory-Based Techniques for Parameter Estimation.*, (Dublin, external examiner), 2007.
44. Vincent Vandeghinste, *LoRe-MT: Low Resources Machine Translation.*, (University of Leuven, member examination committee), 2008.
45. Christian Günther, *Process Mining in Flexible Environments.*, (University of Eindhoven, promotion committee), 2009.
46. Anders Nøklestad, *A Machine Learning approach to anaphora resolution including named entity recognition, pp attachment disambiguation, and animacy detection.*, (University of Oslo, opponent), 2009.
47. Oier Lopez de Lacalle Lekuonak, *Domain-specific word sense disambiguation*. (Universidad del País Vasco, PhD committee), 2009.
48. Chen Yifei, *Protein-protein interaction pair extraction*. (Vrije Universiteit Brussel, external PhD committee member), 2010.
49. Francisco Dellatorre Borges, *Parse Selection with Support Vector Machines*. (University of Groningen, manuscript and promotion committee), 2010.
50. M. Selvam, *Improvement of language and parsing models in resource deficient and morphologically rich Tamil language.* (Anna University Chennai, external examiner), 2010.
51. Marieke van Erp, *Accessing Natural History. Discoveries in data cleaning, structuring, and retrieval*. (Tilburg University, member promotion committee), 2010.
52. Joris D'hondt, *Clustering techniques in Knowledge Management: Advances and Applications*. (University of Leuven, member promotion committee), 2011.

53. Frans Adriaans, *Mechanisms of early language acquisition: Computational modeling and human data*. (University of Utrecht, manuscript and promotion committee), 2011.
54. Herman Stehouwer, *Statistical language models for alternative sequence selection*. (Tilburg University, doctoral jury), 2011.
55. Inge Molemans, *Sounds like babbling*. (University of Antwerp, doctoral committee and jury), 2011.
56. Xinhai Liu, *Learning from multi-view data: clustering algorithm and text mining application*. (University of Leuven, member doctoral committee), 2011.
57. Antonio Reyes Pérez, *Linguistic-based patterns for figurative language processing: the case of humor recognition and irony detection*. (Universitat Politècnica de Valencia, member doctoral committee), 2012.
58. Lieve Van Severen, *A large-scale longitudinal survey of consonant development in toddler's spontaneous speech*. (University of Antwerp, member doctoral committee), 2012.
59. Els Lefever, *ParaSense: Parallel Corpora for Word Sense Disambiguation*. (University of Ghent, member doctoral committee), 2012.
60. Mattias Nilsson, *Computational models of eye movements in reading*. (Uppsala Universitet, member doctoral committee), 2012.
61. Renate van den Berg, *Syllables inside out* (University of Antwerp, member doctoral committee), 2012.
62. Sander Wubben, *Text to Text Generation by Monolingual Machine Translation*. (Tilburg University, member doctoral committee), 2013.
63. Øydis Hide, *Acoustic Features of Speech by Young Cochlear Implant Users*. (University of Antwerp, member doctoral committee), 2013.
64. Tilla Fick, *'n Masjienleerbenadering tot woordafbreking in Afrikaans*. (University of South-Africa, external examiner), 2014.
65. Kaspar Beelen, *Tussen "ik" en "wij". Zelfrepresentaties in parlementaire vertogen.*' (University of Antwerp, doctoral committee), 2014.
66. Jan De Belder, *Linear Programming Optimization for Natural Language Processing Problems*. (University of Leuven, member doctoral committee), 2014.
67. Eva D'hondt, *Cracking the Patent: Using phrasal features to aid patent classification*. (Radboud University Nijmegen, member manuscript committee and doctoral committee), 2014.
68. Benny De Decker, *De chattaal van Vlaamse tieners: Een taalgeografische analyse van Vlaamse (sub) standaardiseringsprocessen tegen de achtergrond van de internationale chatcultuur*. (University of Antwerp, member doctoral committee), 2014.
69. Guillermo Garrido, *Relational Knowledge Acquisition and Temporal Anchoring*. (UNED, Madrid, member doctoral committee), 2014.
70. Enric Junqué de Fortuny, *Detecting patterns in human behaviour and operationalization of predictive models*. (University of Antwerp, member doctoral committee), 2014.

71. Bart Desmet, *Finding the online cry for help. Automatic text classification for suicide prevention.* (University of Ghent, member doctoral jury), 2014.
72. Mathias Verbeke, *Statistical Relational Language Learning of Natural Language.* (University of Leuven, member doctoral jury), 2014.
73. Liliana Mamani, *Certainty Assessment in Informal Language.* (Trinity College Dublin, external referee), 2015.
74. Max De Wilde, *From Information Extraction to Knowledge Discovery: Semantic Enrichment of Multilingual Content with Linked Open Data.* (Université Libre de Bruxelles, external jury member), 2015.
75. Lien Van Abbenyen, *Do Episodic Memory Representations Mediate Masked Priming Effects in the Lexical Decision task?* (Universiteit Antwerpen, jury member), 2015.
76. Emily K. Jamison, *Crowdsourcing Annotation and Automatic Reconstruction of Online Discussion Threads* (Technische Universität Darmstadt, reviewer), February 17, 2016.
77. Suzanne Mpouli, *Automatic Annotation of Similes in Literary Texts* (Pierre and Marie Curie University, Paris, jury member), October 3, 2016.
78. Florian Kunneman, *Modelling Patterns of Time and Emotion in Twitter #anticipointment* (Radboud Universiteit Nijmegen, jury member), March 21, 2017.
79. Peter Berck *Memory-based Text Correction* (Radboud Universiteit Nijmegen, jury member), April 12, 2017.
80. Lucie Fleková, *Leveraging Lexical-Semantic Knowledge for Text Classification Tasks* (Technische Universität Darmstadt, jury member), April 24, 2017.
81. Jolien Faes, *Speech Production and Speech Production Accuracy in Young Children: Hearing and Hearing Impaired Children with a Cochlear Implant.* (University of Antwerp, jury member), May 3, 2017.
82. Ellen Tobback, *Advances in Data Mining for Risk and Uncertainty Using Textual and Behavioural Data* (University of Antwerp, jury member), June 16, 2017.
83. Juan Soler, *Feature Engineering for Author Profiling and Identification: On the Relevance of Syntax and Discourse* (Universitat Pompeu Fabra, jury chair), July 6, 2017.
84. Cynthia Van Hee, *Can Machines Sense Irony? Exploring Automatic Irony Detection on Social Media.* (Ghent University, jury member), September 22, 2017.
85. Marie Dubremetz, *Detecting Rhetorical Figures Based on Repetition of Words: Chiasmus, Epanaphora, Epiphora* (Uppsala University, jury member), January 20, 2018.
86. Nina Reviere, *Audio Description in Dutch. A Corpus-Based Study into the Linguistic Features of a New, Multimodal Text Type* (University of Antwerp, jury member), February 5, 2018.
87. Serra Sinem Tekiroglu, *Computational Sensory Analysis of Creative Language* (University of Trento, jury member), May 16, 2018.

88. Ilke De Clerck, *Prosodic development in canonical babble and first words of cochlear implanted and normally hearing infants: An acoustic and perceptual study* (University of Antwerp, doctoral committee member), September 24, 2018.
89. Leen Sevens, *Words Divide. Pictographs Unite. Pictograph Communication Technologies for People with an Intellectual Disability* (University of Leuven, jury member), December 14, 2018.
90. Filip Ilievski, *Identity of Long-Tail Entities in Text* (University of Amsterdam, committee member), September 6, 2019.
91. Artuur Leeuwenberg, *From Text to Time: Machine Learning Approaches to Temporal Information Extraction fom Text* (University of Leuven, committee member), October 3, 2019.
92. Jeroen De Gussem, *Collaborative Authorship in Twelfth-Century Latin Literature. A Stylometric Approach to gender, Synergy and Authority* (University of Ghent, jury member), November 16, 2019.
93. Wouter Haverals, *De maat van het Middelnederlands. Een digitaal onderzoek naar de prosodische en ritmische kenmerken van Middelnederlandse berijmde literatuur* (Universiteit Antwerpen, jury member), January 31, 2020.
94. Ivano Lauriola, *Towards feature space of Deep Kernels: synergy with Neural Networks and applications to NLP* (Padova University, external reviewer), November, 2020.
95. Enrique Manjavacas, *Computational Approaches to Intertextuality. From Retrieval Engines to Statistical Analysis.* (Universiteit Antwerpen, jury member), July 6, 2021.
96. Daria Dziedzic, *English Machine Reading Comprehension: New Approaches to Answering Multiple-choice Questions.* (Dublin City University, School of Computing, external examiner), September 13, 2021.
97. Lucía Cabrera, *Quantitative and Qualitative Analysis of Politeness and Gender Effects in Romantic Comedies.* (Trinity College Dublin, external examiner), January 17, 2022.
98. Ben Burtenshaw, *Classifying Toxicity in Adolescent Conversations: Applications in Paediatrics.* (University of Antwerp, jury member), March 31, 2022.
99. Hanne Surkyn, *Teenagers and verb spelling: Not their cup of d/tea?* (University of Antwerp, jury member), September 26, 2022.
100. C.G. Van der Lee, *Next Steps in Data-to-Text Generation: Towards Better Data, Models, and Evaluation.* (Tilburg University, member cum laude committee), November 10, 2022.
101. Olha Kaminska, *Fuzzy Rough Set Methods for Emotion Detection and Sentiment Analysis.* (University of Ghent, jury member), September 1, 2023.
102. Yiwei Jiang, *Towards Grounded and Robust Task-Oriented Dialogue Systems.* (University of Ghent, jury member), February 14, 2024.
103. Tyché Perkisas, *On dedicated anti-cybercrime mailboxes within financial institutions.* (University of Antwerp, jury member), February 16, 2024.

104. Loic De Langhe, *Demystifying Discourse in Dutch. A Study on Event Coreference Resolution* (University of Ghent, jury member), September 13, 2024.
105. Ewoenam Tokpo, *Assessing and Mitigating Bias in Natural Language Systems*. (University of Antwerp, jury member), October 30, 2024.
106. Cedric Waterschoot, *The Constructive Conundrum. Computational Approaches to Facilitate Constructive Commenting on Online News Platforms*. (Utrecht University, jury member), November 20, 2024.
107. Lisan Broekhuis, *Exploring the limits of language non-selectivity*. (University of Antwerp, jury member), June 6, 2025.
108. Pranaydeep Singh, *(Bridging the Gap. Adapting English and Multilingual Language Models for Languages other than English*. (University of Ghent, jury member), September 10, 2025.
109. Urja Khurana, *From Concept to Impact. Toward More Robust Language Model Deployment*. (VU Amsterdam, jury member), September 23, 2025.
110. Sofie Labat, *Affective Threads. Data-Driven Modeling of Emotional Processes in Social Interaction*. (University of Ghent, jury member), October 24, 2025.
111. Erkan Başar, *Responsible and Healthy Conversations. Developing and Evaluating Engaging Chatbots through Controlled Use of Language Models*. (Radboud University Nijmegen, jury member), November 25, 2025.
112. Yuying Tan, *Towards an empathic and transparent chatbot reporting system to support people who experienced online sexual harassment*. (University of Antwerp, jury member), December 10, 2025.
113. Cristina Arhiliuc, *Classification and characterization of research output from the social sciences and humanities based on textual metadata*. (University of Antwerp, jury chair), January 30, 2026.

Ex officio (as PhD committee chair, University of Antwerp): *Bert Bultinck*, Numerous Meanings. The meaning of English cardinals and the legacy of Paul Grice, April 30, 2002; *Helge Daniëls*, Debating variability in Arabic, September 12, 2002; *Gilberte Lenaerts*, The Columberg report in the Flemish media: Discourse and Identity maintenance, September 12, 2003; *Renzhi Li*, Modality in English and Chinese: a Typological Perspective, September 5, 2003; *Astrid Geudens*, Breaking through the rime. An inquiry into the relevance of the onset-rime structure in children's phonological awareness and early reading development, November 26, 2003; *Helena Taelman*, Syllable omissions and additions in Dutch child language, May 28, 2004; *Lutgard Lams*, Reporting The Hong Kong Handover: A pragmatic analysis of news coverage in comparative taiwanese / mainland Chinese perspective, June 11, 2004; *Jürgen Jaspers*, Tegenwerken, belachelijk doen. Talige sabotage van Marokkaanse jongens op een Antwerpse middelbare school. Een sociolinguïstische etnografie, November 10, 2004; *Liesbeth Vanormelingen*, Are you talking to me? Child-directed speech and language development: hearing children of different socio-economic statuses and deaf children with a cochlear implant, May 30, 2016. *Konul Hajiyeva*, Vocabulary Development in Higher Education: The Case of English in Azerbaijan, July 8, 2016.

Editorial Board Membership

Current

- Member editorial board *Digital Scholarship in the Humanities*, OUP, 2015-

- Editor-in-chief *CLIN Journal*, 2019-
- Associate Editor *Research on Language and Computation*, 2007-2011; converted to a corner in *Journal of Logic and Computation*, OUP, 2011-
- Member editorial board CELCR: Converging Evidence in Language and Communication Research, John Benjamins Publishing Company, 2000-
- Member editorial board *Logic Journal of the IGPL*, OUP, 2008-

Previous

- Member editorial board *THINK Quarterly*, 1992-1995.
- Member editorial board *WEB-SLS*, ESCA-EACL-ELSNET Student Journal of Language and Speech, 1996.
- Associate Editor *IEEE Transactions on Speech & Audio Processing (IEEE T-SA)*, Area SA1.3, 1997-1999.
- Member editorial board *Research in Computational Psycholinguistics* book series (John Benjamins). Series edited by Dan Jurafsky, 1997.
- Member editorial board *Machine Learning journal*, 2000-2003. (Resigned 2001 as a reaction to Kluwer policies).
- Member editorial board *Computational Linguistics*, 2001-2003.
- Member European Board of DISKI dissertation series in Artificial Intelligence (IOS Press / ECCAI), 2002.
- Associate Editor of JAIR *Journal of Artificial Intelligence Research*, 2002–2005. Advisory Board member, 2006-2009.
- Member editorial council *International Journal of Computer Science and Applications*, 2004-2007.
- Member editorial board *Journal of Machine Learning Research*, 2001-2010.
- Member advisory board *Linguistica Antverpiensia New Series*, 2005-2016.
- Member standing reviewer team *Transactions of the Association for Computational Linguistics*, ACL, 2012–2018.
- Member editorial board and action editor of *CLIN Journal*, 2011–2018
- Managing Editor *Computational Cognitive Science*, Springer, 2013–2016.
- Action Editor *Transactions of the Association for Computational Linguistics*, ACL, 2019-2023.
- Action Editor *ARR (ACL Rolling Review)*, 2021-2022.
- Ethics Reviewer *ARR (ACL Rolling Review)*, 2022

Conference and Workshop Organization

- Organizer (with P. Flach) *ITK colloquium series*, 1989-1991.
- *First International Workshop on Inheritance in Natural Language Processing* (with Gazdar), Tilburg, August, 1990.
- *International Workshop on Machine Learning for Natural Language* (with Powers), Tilburg, February, 1992.
- *Taaltechnologisch Forum, Forum des Industries de la Langue* (member organizing committee) Brussels, 1993.
- *ELSnet-MLnet Workshop on Machine Learning of Natural Language* (with van der Linden and Ellison), Amsterdam, December 2-3, 1994.
- *Sixth Computational Linguistics in the Netherlands Workshop* (with Gillis and Durieux), Antwerp, December 1, 1995.
- *CLIF workshop on the future of Language Technology in Flanders* (with Gillis), Antwerp, November 30, 1995.
- *ECML'97 workshop on Empirical Learning of Natural Language Processing Tasks* (with van den Bosch and Weijters), Prague, April 26, 1997.
- *ELSnet summer school on Lexicon Development for Language and Speech Processing* (member organization committee), Leuven, July 1997.
- *ACL'97 workshop CONLL'97, Computational Language Learning* (with Powers and Ellison), Madrid, July 11, 1997.
- *BENELEARN'97* (with Flach and Van den Bosch), Tilburg, October 21, 1997.
- *NAIC'97*, National Dutch AI Conference (PC chair, with Van Marcke), Antwerp, November 12-13, 1997.
- *Round Table on Algorithms for Memory-Based Language Processing* (with Gillis), Turnhout, Corsondonk, December 12-13, 1997.
- *CONLL'98, Conference on Computational Language Learning* (with Powers and Ellison), Sydney, Australia, January 1998.
- Tutorial chair, *European Chapter of ACL Conference*, Bergen, Norway, June 1999.
- *BNVKI Tutorials on Artificial Intelligence and Natural Language Processing* (with De Pauw), Tilburg, January 2000.
- *CONLL 2000, Conference on Computational Language Learning* (with Cardie and Tjong Kim Sang), Lisbon, Portugal, September 14, 2000.
- *Eleventh Computational Linguistics in the Netherlands Workshop* (with Veenstra, Sima'an, Zavrel), Tilburg, November 3, 2000.

- Conference of the Association for Computational Linguistics ACL 2000 conference (area chair statistical and machine learning methods), Hong Kong, 2000.
- *Fifth Workshop on Computational Language Learning, CoNLL 2001* (with Zajac), Toulouse, France, July 6-7, 2001.
- Workshops Chair, *International Conference of the Association for Computational Linguistics, ACL-02*, Philadelphia, USA, July 2002.
- *CONLL 2003, Conference on Computational Language Learning* (with Osborne), Edmonton, Canada, May-June 2003.
- *Fourteenth meeting of computational linguistics in the Netherlands (CLIN 2003)* (with Decadt, De Pauw, Hoste), December 19, 2003.
- Programme Committee co-chair *International Conference of the Association for Computational Linguistics, ACL-04*, Barcelona, July 2004.
- *Third CLIF symposium* (with Frieda Steurs), Antwerpen, June 10, 2004.
- *Workshop on analysis and generation of prosody*, (with Van den Bosch, Hoste, Marsi, Reynaert), Tilburg, December 21, 2004.
- *Workshop on Machine Learning of Information Extraction*, (with Hoste), University of Antwerp, Belgium, March 10, 2005.
- *Senior Program Committee member IJCAI 2007*, Hyderabad, India, 2007.
- *ECML-PKDD*, Programme co-chair, University of Antwerp, Belgium, September 2008.
- *The Agile Mind. Creativity in Discourse and Art*, Brussels, September 11-12, 2008. Programme co-chair.
- *ECML-PKDD*, area chair, Bled, Slovenia, 2009.
- *Fourth CLIF symposium*, co-organizer, University of Antwerp, December 8, 2009.
- *Advances in Bio Text Mining*, co-organizer, University of Ghent, May 10-11, 2010.
- *ACL 2010*, area chair, Uppsala, Sweden, 2010.
- *ESSLLI 2010*, programme committee “Language and Computation”, Copenhagen, 2010.
- *European Conference of the ACL*, general chair, Avignon, 2012.
- *CLEF 2011* Lab on Question Answering for Machine Reading Evaluation, pilot task on Modality and Negation, Amsterdam, 2011 (with Roser Morante).
- *CLEF 2012* Lab on Question Answering for Machine Reading Evaluation, pilot tasks on Modality and Negation and on Machine Reading of biomedical texts about the Alzheimer disease, Rome, 2012 (with Roser Morante).
- *ACL 2013*, area chair Statistical and Machine Learning Methods, Sofia, 2013.

- *Fortan 2013* workshop on Forensic Text Analytics, Uppsala, 2013 (with de Rijke, Bosma, Veenman).
- *CLEF 2013* Lab on Question Answering for Machine Reading Evaluation, Machine Reading of biomedical texts about the Alzheimer disease, Valencia, 2012, (with Morante, Kralinger, Valencia).
- *EMNLP 2014*, Program co-chair, Qatar, 2014.
- *CLEF 2014*, member task committee PAN lab (automatic profiling and authorship verification), Sheffield, 2014.
- *EADH Spring Academy* in Digital Humanities, Antwerp, 2014 (with Crombez, Kestemont, Van Hulle).
- *The First Workshop on Computational Approaches to Compound Analysis (ComACoMA 2014)*, Dublin, 2014 (with Verhoeven, van Zaanen, van Huyssteen).
- *25th Computational Linguistics in the Netherlands (CLIN25)*, Antwerp, February 5-6, 2015 (with Verhoeven, Kestemont, De Pauw, van de Loo).
- *CLEF 2015*, member task committee PAN lab (automatic profiling, and authorship verification), Toulouse, 2015.
- *CLEF 2016*, member task committee PAN lab (automatic profiling, and author identification), Evora, Portugal, 2016.
- *International Document Image Processing Summer School*, member organisation committee, Samos Island, Greece, July 4-8, 2016.
- *2nd Prosecco Code-Camp* on story generation, member organisation committee, Antwerp, Belgium, April 6-8, 2016.
- *CLEF 2017*, member task committee PAN lab (author identification), Dublin, Ireland, 2017.
- *Google Summer of Code*, mentor 2017.
- Co-organizer *6th Conference on Computer-Mediated Communication (CMC) and Social Media Corpora*, September 17-18, 2018.
- *CLEF 2018*, member task committee PAN lab (cross-domain authorship attribution), Avignon, France, September 10-14, 2018.
- *Google Summer of Code*, mentor 2018.
- *CLEF 2019*, member task committee PAN lab (cross-domain authorship attribution), Lugano, Switzerland, September 9-12, 2019.
- *Google Summer of Code*, mentor 2019.
- *ELG Belux 21. ELG Workshop on Resources for Luxembourgish and Flemish*, organizer, on-line, July 8, 2021.
- *ESSLLI 2022*, 33rd summer school on language, logic and information; area chair Language and Computation, Galway, Ireland, August 8-19, 2022.

- *COLING 2022*, Area Chair for the Ethics in NLP track, October 12-27, Korea, 2022.
- *Workshop on Chatbots. Conversational Agents Research in Flanders and The Netherlands.*, September 21, 2023 (co-organizer with Buhmann).
- *Computational Linguistics in the Netherlands, CLIN33*, September 22, 2023 (chair and organizer with CLiPS team). Organizer (with Fivez) of a CLIN shared task on llm-generated text detection.
- *Presentation study day about the point of view of KVAB on social media*, Brussels, March 26, 2024 (co-initiator with Luc Steels and others).
- *Colloquium on generative AI for Dutch and the study of Dutch*, KANTL, Ghent, June 21, 2024 (initiator and co-organizer).

Scientific Advice

Current roles and offices

- NTU (Dutch Language Union) working group on AI for Dutch (2025-2026).
- Member of the VCWI (Flemish Committee for Research Integrity) (2025-)
- Member appeal committee FWO (2022-).
- National Competence Centre Belgium Lead (ELG, European Language Grid) from 2019.
- Board of STIL (Stichting Toepassing Inductieve leertechnieken), Tilburg, board member (1998-2008). Chairman from 2009.
- Member informal CLIN (Computational Linguistics in the Netherlands) working group (from 1990) with Gertjan Van Noord.
- Member International Advisory committee (2003-2007) and Steering Committee (from 2007) of ACL Special Interest Group in Natural Language Learning (SIGNLL).
- Member of the ACL SIGDAT advisory board, from 2013.
- Member of the international scientific advisory board of The Wallenberg AI, Autonomous Systems and Software Program – Humanities and Society (WASP-HS), from 2021.

Previous roles and offices

- Member NWO (Dutch National Science Foundation) exploratory committee for the stimulation of research in language and speech technology in the Netherlands, 1990.
- Advisory board ESPRIT project 5254 (PLUS, Pragmatics-based Language Understanding System), 1991-1992.
- Research Associate International Pragmatics Association (IPrA), 1992-1993.
- Member Scientific Advisory Board “A Modern Grammar of Dutch” (MGD), 1994.

- Initiator (with David Powers) of the ACL Special Interest Group in Natural Language Learning (SIGNLL). Secretary (1995-1999, re-elected 1997). President (1999-2003, re-elected 2001).
- CLIF (Computational Linguistics in Flanders) working group of the FWO sponsored research community on Computational Linguistics and Language Technology (Co-proposer and initiator with Gillis and De Schutter; Coordinator: 1995-97). Member CLIF (Computational Linguistics in Flanders) coordination group. Spokesperson of CLIF-2, 2000-2004.
- Tilburg site coordinator for ELSNET, 1995-2000.
- Member User Group Club of Esprit long-term research Project ILP-II (Applications of Inductive Language processing in Natural Language Processing), 1996-1999.
- Member of the board of ECCAI (European Coordinating Committee for Artificial Intelligence), 1996-1998.
- Member Computational Linguistics and Language Technology Working Group and Formal Methods in Humanities Working Group of ACO*HUM, EU Socrates thematic network on computation in the humanities; EACL Liaison to ACO*HUM. 1996-1999.
- Nederlandse Taalunie project ‘Terreinverkennd onderzoek naar de positie van het Nederlands in taal- en spraaktechnologie.’ (Exploratory research on the position of Dutch Speech and Language Technology). Project co-supervisor, 1997-1998.
- Member (‘external expert’) of working group ‘Corpus Annotation’ of the CGN (Corpus Gesproken Nederlands, Corpus Spoken Dutch) project, 1998-2003.
- Member of advisory committee *Action Plan for Dutch in language and speech technology* of the ‘Platform Language and Speech Technology’ (Nederlandse Taalunie), 1999-2001.
- Member of the advisory committee ‘Electronic ANS’ of the Nederlandse Taalunie, 1999-2002.
- Member EACL (European Chapter Association for Computational Linguistics) nominating committee, 1999-2002.
- EACL representative in the board of the *European Masters in Language and Speech*, 1999-2004.
- Member of the board of BNVKI (Dutch-Belgian AI Association), 1999-2001.
- Member jury HI-AVT Master’s Thesis prize Computational Linguistics, 2000.
- Member User/Advisory Group ‘Geïntegreerde Taalbank’ (Integrated language database) of INL (Institute Dutch Lexicography, Leiden, The Netherlands), 2000-2009.
- Antwerp site coordinator for MLNET, 2000-2002.
- Member preparatory committee NWO research programme “Interactive Multimodal Information Extraction.” (IMIX), 2000. Member of Steering Committee, 2002-2008.
- Antwerp site coordinator for ONTOWeb, 2001-2004.
- Member preparatory committee and member programme committee STEVIN programme “Essential Resources for Language and Speech Technology for Dutch”, 2004-2012.

- Member technical advisory board UK National Centre for Text Mining (NaCTeM), 2004-2011.
- Invited contributor to *Roadmap for Language and Speech Technology Resources* (under the auspices of ELSNET, ENABLER and ELRA), 2004.
- Elected member executive board International Association for Computational Linguistics (ACL), 2004-2007.
- International Collaborator Next Generation Localisation programme CSET (Dublin), 2007-2011.
- Member advisory board project “termextractor” (Dutch Language Union), 2008-2011.
- Member ECML PKDD council steering committee, 2008-2011.
- Member ARTESIS translation and interpretation department scientific advisory board, 2009-2011.
- Member Kennislink advisory board, 2009-2010.
- Chairman advisory board TST-centrale (Nederlandse Taalunie), 2010-2013.
- Scientific Advisory Committee EU project ACORNS, 2006-2009.
- User Group or Advisory Group member roles in the STEVIN projects DPC, LASSY, SONAR, and SPRAAK, 2006-2012.
- Scientific godfather TETRA project ABOP (Automatic optimization readability medicine leaflets), 2007-2009.
- Member planning and steering committee *HLT Collaboration between South Africa and the Low Countries* (2008-2010). Member joint planning and monitoring committee (2011-2016).
- External supervisor Ghent University College project HENDI (Readability tool English and Dutch discourse), 2009-2012.
- Tilburg Centre for Cognition and Communication, Tilburg University, Research Fellow (2009-2018).
- Advisory Board of iCOP (Identifying and Catching Originators in Peer-to-Peer Networks), 2011-2013.
- Member steering committee *NETWORDS*, European Science Foundation Research Networking Programme on cross-disciplinary approaches to understanding word structure in the languages of Europe, 2011-2015.
- President of META-TRUST, representing the network of excellence META-NET and the Multilingual Europe Technology Alliance (META), 2012-2017.
- Member of the ACL executive committee, 2017-2018.
- Member steering committee DH Benelux, 2014-2020.
- Member advisory board EU project DTCT (detect then act). “Taking Direct Action against Online Hate Speech by Turning Bystanders into Upstanders”, 2018-2020.
- Member advisory committee (opvolgcommittee) BELSPO project “BE-SOCIAL: towards a sustainable social media archiving strategy for Belgium.”, 2020-2022.

- Chair-elect of the EACL, 2015-2016; Chair of EACL 2017-2018; Member Nominating Committee of EACL 2019-2022.
- Member ACL nominating committee, 2021-2023.
- Advisory Board of the Center for Linguistic Studies, Radboud University Nijmegen. 2018-2024.
- Member Scientific Board EU project MUHAI: Meaning and Understanding in Human-Centric AI, 2020-2024.

Organization Memberships

- Current memberships professional organisations: Association Computational Linguistics (ACL) (from 1990); American Association for Artificial Intelligence (AAAI) (from 1998); SKEPP (from 2013).
- Member of ACRAI, 2023-
- Previous memberships: Association for Computing Machinery (ACM) (2001-2020); Belgische Kring Linguïstiek (2005–2010); Dutch AI Association (NVKI/BNVKI) (from 1988); International Federation for Information Processing (IFIP) Technical Committee 12 (Artificial Intelligence) Working Group 12.4 (Natural Language Processing) (1992); Dutch General Association for Linguistics (AVT) (1995-2005).
- Member of Biomina (Biomedical informatics research center Antwerp), 2011-2015.
- Member of TransMedia Benelux, 2011-2019.

Curriculum and Research evaluation committees

- Member curriculum evaluation committee ‘Computational Linguistics Curriculum’ Göteborg University, 1995.
- Member curriculum evaluation committee Artificial Intelligence (visitatiecommissie Kunstmatige Intelligentie), The Netherlands (2007), (presided by prof. W.A. Wagenaar).
- Panel member of Quality and Renewal 2011, research evaluation Uppsala University.
- Member pre-visitation / site visit committee CLS, Radboud University Nijmegen, 2012, 2018, 2021.
- Member KNAW Meertens institute evaluation panel, 2018.
- Member visitation panel research master Humanities at Vrije Universiteit Amsterdam, 2021.
- Review joint graduate study program Digital Linguistics, Faculty of Humanities and Social Sciences (university of Zagreb), 2022.
- Accreditation review (chair) BA and MA Cognitive Science AI in Society (Tilburg University), 2024.

Valorisation

- Member Scientific Advisory Board Cognitech (Nijmegen), 1989-1996.
- Co-founder of two spin-off companies based on computational linguistics research at University of Antwerp: Textkernel (Amsterdam, 2001); Textgain (Antwerpen, 2015). Also involved in the creation of FLUENT.AI Inc (Montreal, 2017).
- Advisory Board Seedlinktech (now Pera People Science) (Amsterdam-Shanghai, 2017-).
- Advisory board Hybrid Core Decision Technology (Zaventem, 2019-2024).
- Scientific Advisor Textgain (Antwerp, 2015-2025).
- VOKA AHA! valorisation award “achieved”: Nominated 2019, shortlisted 2021.

Programme committee and review committee membership

- AAAI: Edmonton, 2002; Boston, 2006
- AAAI workshop on Computational Aesthetics: Artificial Intelligence Approaches to Beauty and Happiness: Boston, 2006
- ACL Conference of the Association for Computational Linguistics: 1999, 2001, 2002, 2003, 2005, 2007, 2008, 2011, 2012, 2013, 2015, 2016, 2017, 2018
- ACL student session, 1996
- ACL-2000 Machine Learning and Statistical NLP for Dialogue theme session, 2000
- ACL demo and poster workshop: Prague, 2007
- ACL Workshop on Cognitive Aspects of Computational Language Learning: Prague, 2007
- ACL workshop on Detecting Structure of Scholarly Discourse: Jeju, Korea, 2012
- ACL workshop on Extra-propositional aspects of meaning in computational linguistics (ExProM): Jeju, Korea, 2012
- Advances in Computer Chess Conference, 1996
- AMIA Annual Symposium, 2011
- AMLAP, Architectures and Mechanisms for Language Acquisition and Processing, 2000, 2020
- ANLP-NAACL (2000), NAACL-HLT, 2012, 2018
- ATEM: Trento, Italy, 2006
- Australasian Language Technology Workshop: Sydney, Australia, 2005
- Australian NLP Workshop: Canberra, 2002
- Baltic Conference on Human Language Technologies: Kaunas, Lithuania, 2014; 2020

- BENELEARN: Brussels, 1993; Rotterdam, 1994; Maastricht, 1998; Antwerp, 2001; Brussels, 2004; Enschede 2005; Ghent, 2006; Amsterdam, 2007; Liege 2008; Tilburg 2009; Leuven 2010; Den Haag 2011; Ghent 2012; Nijmegen 2013; Kortrijk 2016; Eindhoven 2017; s'Hertogenbosch 2018; Brussels 2019; Leiden 2020; Esch-sur-Alzette (Luxembourg) 2021; Mechelen 2022; Delft 2023
- BKL, Linguistic Society of Belgium: 2016, 2017, 2018, 2019, 2020, 2021
- Brazilian Symposium on Artificial Intelligence: Salvador, Brazil, 2008, 2010
- CICLing: Haifa, Israel, 2008; Mexico, 2009; New Delhi, 2011; Samos 2013; Cairo, 2015; Budapest, 2017
- CLIN Computational Linguistics in the Netherlands proceedings: 1991, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2001, 2002, 2004, 2005, 2006, 2007
- CogACL: Cognitive Aspects of Computational Language Learning: Athens, Greece, 2009; Gothenburg, Sweden, 2014; Lisbon, 2015; Berlin 2016; Melbourne 2018
- Cognitive Aspects of Computational Language Acquisition, Springer: 2010
- Cognitive Science (CogSci): Amsterdam, 2009
- COLING: 2000, 2002, 2004, 2012, 2016, 2020
- COLING workshop on Optimization Techniques for Human Language Technology: Bombay, 2012
- COLING workshop on Detecting AI Generated Content: Torino, 2024.
- COLING-ACL: Sydney, Australia, 2006
- COLING-ACL workshop on Relation Extraction Beyond the Document: Sydney, 2006
- Colloque International sur la Fouille de Texte: Hammamet, 2002
- Computational Linguistic Aspects of Grammatical Inference: Athens, 2009
- Congress of the Italian Association for Artificial Intelligence: Rome, Italy, 2007
- CoNLL Conference on Natural Language Learning: Bergen, 1999; Taipei, 2002; Boston, 2004; Ann Arbor, 2005; New York, 2006; Prague, 2007; Manchester, 2008; Boulder, 2009; Uppsala, 2010; Portland, 2011; Jeju, 2012; Sofia, 2013; Baltimore 2014; Beijing 2015; Berlin 2016; Vancouver 2017; Hong Kong 2019, including best paper committee; virtual 2020; Punta Cana 2021; Singapore 2023
- CLEF Conference and Labs of the Evaluation Forum: Rome, 2012; Valencia, 2013; Sheffield 2014; Miami 2024
- DAWAK: München, 2001; Aix-en-Provence, 2002; Praha, 2003
- Digital Humanities BeNeLux: The Hague, 2014; Antwerp 2015; Utrecht 2017;
- DIR: Delft, 2006; Leuven, 2007; Maastricht, 2008; Enschede, 2009; Nijmegen 2010; Amsterdam 2011; Ghent 2012; Delft 2013
- Dutch/Belgian Conference on Enterprise Information Systems (EIS): Eindhoven, 2010

- EACL European Association for Computational Linguistics: 1989, 1991, 1995, 2003, 2006, 2009, 2014, 2017
- EACL workshop Learning Structured Information in Natural Language Applications: Trento, Italy, 2006
- EACL 2012 Workshop on Computational Models of Language Acquisition and Loss (Cognitive 2012): Avignon, 2012
- EACL Workshop on Computational Approaches to Causality in Language: Gothenburg, Sweden, 2014
- EBMT workshop: Phuket, 2005
- ECAI, European Conference on Artificial Intelligence: 1992, 2010, 2012
- ECAI-2004 Workshop on Ontology Learning and Population: Valencia, 2004
- ECIR: Padua, Italy, 2016; ECIR mentoring committee 2016
- ECML European Conference on Machine Learning: Chemnitz, 1998; Freiburg 2001; Dubrovnik, 2003; ECML-PKDD Berlin, 2006; Warsaw, 2007
- ECML/PKDD workshop Knowledge Discovery and Ontologies KDO: 2004
- ECML Workshop on Machine Learning and Text Analysis: Vienna, 1993
- ECML Workshops on Text Mining and Adaptive Natural Language Processing Driven Systems: Chemnitz, 1998
- Effective tools and methods for teaching and learning computational linguistics and NLP: Ann Arbor, USA, 2005
- E-Humanities – an emerging discipline: Indianapolis, 2008
- EMNLP Empirical Methods in Natural Language Processing: 2004, 2005, 2006, 2008, 2009, 2010, 2011, 2012, 2013, 2015, 2016
- EMNLP best demo paper award selection, 2023
- EPIA Text Mining and Applications (TeMA) Workshop: Covilha, Portugal, 2005; Guimaraes, Portugal, 2007; Aveiro, Portugal, 2009; Lisbon Portugal, 2011; Terceira, Azores, 2013
- ESSLLI student session: 2005, 2006, 2011, 2012
- ESSLLI workshop on machine learning of language: Trento, 2002
- ESSLLI workshop on Exemplar Based Models of Language Acquisition and Use: Dublin, 2007
- ESSLLI Workshop on Computational, Cognitive, and Linguistic Approaches to the Analysis of Complex Words and Collocations (CCLCC 2014): Tuebingen, 2014
- Ethics in NLP workshop: Valencia, 2017; New Orleans, 2018
- FINTAL 5th International Conference on Natural Language Processing: Turku, 2006

- EurNLP2019: London, 2019
- Future and Emerging Trends in Language Technology: Sevilla, 2015
- Genre in Language, Discourse and Cognition: 2014
- GOTAL: Gothenburg, 2008
- Grammar and lexicon: interactions and interfaces (GRAMM&LEX): Osaka, Japan, 2016
- Groningen Assembly on Language Acquisition, 1995
- HLT Human Language Technologies, 2001
- ICASSP, 1997, 1998
- ICCBR, 2001
- IceTAL 2010 - 7th International Conference on Natural Language Processing: Reykjavik, Iceland, 2010
- Ibero-American Conference on Artificial Intelligence, IBERAMIA 2012, Natural Language Processing track: Colombia, 2012
- ICGI International Colloquium on Grammatical Inference: Montpellier, 1996; Ames Iowa, 1998; Lisbon, 2000; Athens, 2004
- ICML International Conference on Machine Learning: Harvard, 2000; Williams College Mass. USA, 2001; Bonn, 2005; Montreal, 2009
- ICML workshop on Machine Learning in Text Data Analysis: Bled, 1999
- IJCAI, International Joint Conference on Artificial Intelligence: 1993, 1995, 2005
- IJCAI workshop on Replicability and reproducibility in Natural Language Processing: adaptive methods, resources and software: Buenos Aires, 2015
- Italian Association for Artificial Intelligence (AI*IA): Reggio Emilia, 2009
- IEEE NLP-KE: Tucson, 2001; Beijing, 2003; Wuhan, 2005
- IJCNLP: 2004, 2008
- IJNLP-ACL mentoring committee: 2009
- Intelligent Computer Communication: Cluj Napoca, 1995; 1998
- Intelligent Systems: 2000
- International and Interdisciplinary Conference on Adaptive Knowledge Representation and Reasoning: Espoo, Finland, 2005
- International Computational Psycholinguistics Conference: Berkeley, 1997
- International Computer Science Symposium: St-Petersburg, Russia, 2006

- International Workshop on Advanced Searching On Voice, Video, and Speech Contents: Papeete, Tahiti, 2007
- International workshop on Intelligent Information Access: Helsinki, Finland, 2006
- International Workshop on Bibliometric-enhanced Information Retrieval (BIR2016): Padova, 2016
- Internet of Things and Machine Learning: Liverpool, 2017
- Interspeech: 2005, 2006, 2007, 2010
- Irish Artificial Intelligence & Cognitive Science Conference: Dublin, 1998
- IWCS: 1998
- KDD-2000 Workshop on Text Mining: Boston, 2000
- Language Technology for Closely Related Languages (LT4CloseLang): Doha, 2014
- Linguistic Distances workshop: Sydney, 2006
- LIKE, 1991
- LLL Learning Language in Logic workshop and challenge: Bonn, Germany, 2005
- LREC Conference on Language Resources and Evaluation: Genoa, Italy, 2006; Marrakech, 2008; Istanbul 2012; Reykjavik 2014; Portoroz, Slovenia, 2016; Miyazaki, 2018; Marseille, 2020
- LREC-COLING: Turin, 2023
- LREC workshop on Adaptation of Language Resources and Tools for Processing Cultural Heritage Objects: Istanbul, 2012
- LREC workshop Machine Learning Approaches in Computational Linguistics: Las Palmas 2002
- LREC Workshop on Linguistic Knowledge Acquisition and Representation: Las Palmas 2002
- LREC workshop on Building and evaluating resources for biomedical text mining: Marrakesh, 2008
- LREC International Workshop on Language Technology Platforms: 2020
- LREC Workshop on Resources and Techniques for User and author Profiling in abusive language: 2020
- MT 2000: Machine Translation and multilingual applications in the new millennium: Exeter, UK, 2000
- NAIC/AIT: Amsterdam, 1989, 1990, 1991, 1995; NAIC 1998; BNAIC Maastricht, 1999; Tilburg, 2000; Amsterdam 2001; Leuven, 2002; 2003; Groningen, 2004; Brussels, 2005; Namur, 2006; Utrecht, 2007; Enschede 2008; Eindhoven, 2009; Luxembourg, 2010; Ghent 2011; Maastricht 2012; Delft 2013; Nijmegen 2014; Hasselt 2015; Amsterdam 2016; Groningen 2017; s'Hertogenbosch 2018; Brussels 2019; Leiden 2020; Esch-sur-Alzette (Luxembourg) 2021; Mechelen 2022; Delft 2023; Utrecht 2024
- NEMLAP International Conference on New Methods in Language Processing: Ankara, 1996; Sydney 1998

- NLDB: Cottbus, 2003; Groningen 2012; Salford 2013; Valencia 2022
- NLIS Workshop on Natural Language in Information Systems: Vienna, 1998; Greenwich, 2000; Aix-en-provence, 2002; Zaragoza, 2004
- PASCAL workshop Text Mining: Grenoble, 2004
- Pascal Challenge Workshop: Warsaw, 2007
- PASCAL Pronasyl challenge, 2007
- PolTAL 2014: Warsaw, 2014
- PsyComMT, Vienna, 2020
- Psycho-computational Models of Human Language Acquisition: Geneva, 2004; Ann Arbor, 2005
- QITL: Osnabrueck, 2002; 2006; 2008; Leuven 2013; Tuebingen 2015
- RANLP: Borovetz, 2003; 2005; 2007; 2011
- RANLP workshop on Adaptation of language resources and tools for closely related languages and language variants(Adapt4CloseLang): Bulgaria 2013
- RIAO: 2007 Pittsburgh, USA, 2007
- SEALTS: Edmonton, 2003
- *SEM: Montreal 2012; Atlanta 2013; Dublin 2014; Denver, 2015; Bangkok, 2021; Seattle, 2022; Toronto, 2023
- Semeval: Prague, 2007
- Senseval-3: Barcelona, 2004
- Special session on Text Data Learning of the conference on Intelligent Data Engineering and Automated Learning (IDEAL2013): Hefei, Anhui, China, 2013
- Statistical Language and Speech Processing: Grenoble, France, 2014; Mons 2018
- TALN: Leuven, 2006
- Text Analytics for Cybersecurity and Online Safety (TA-COS): Portoros, 2016; Miyazaki, 2018
- TextDM: San Jose, USA, 2001
- TextML: Sydney, 2002
- Treebanks and Linguistic Theory: Sozopol, 2002
- WINLP: Women and Underrepresented Minorities in NLP Workshop: Vancouver, 2017, 2019, 2020
- Workshop on Adaptation of Language Resources and Technology to New Domains: Borovets, 2009
- Workshop on Domain Adaptation: Uppsala, 2010

- Workshop on High-level Information Extraction: Antwerp, 2008
- Workshop on Natural Legal Language Processing (NLLP): Minneapolis, 2019
- Workshop on Linked Data in Linguistics: Multilingual Knowledge Resources and Natural Language Processing: Reykjavik, 2014
- Workshop on Mining Complex Entities from Network and Biomedical Data (MIND): Athens, 2011
- Workshop on Models of Scientific Discourse Annotation: Portland, 2011
- Workshop on Natural Language Processing and Computational Social Science (NLP+CSS): Abu Dhabi, 2022; Mexico city, 2024
- Workshop on Negation and Speculation in Natural Language Processing: Uppsala, 2010
- Workshop on Computational Approaches to Deception Detection: San Diego, 2016
- Workshop on Computational Personality Recognition: Orlando, 2014
- Workshop on personality, opinion and emotion detection (PEOPLES): Osaka, 2016; New Orleans 2018; 2020;
- Workshop on Semantic Evaluations: Recent Achievements and Future Directions (semeval): Boulder, 2009
- Workshop on Semi-supervised Learning for Natural Language Processing: Boulder, 2009
- Workshop on Stylistic Variation: Copenhagen, 2017; New Orleans, 2018
- Workshop on the Computational Lexicon: Barcelona, 1995
- Workshop on Very Large Corpora 3: Boston, 1995
- WWW conference (International Conference on World Wide Web): 2012

Journal Reviewing

ARR

- *ACM Transactions on Information and System Security (TISSEC)*, 2014
- *ACM Transactions on Internet Technology (TOIT)*, 2016
- *ACM Computing Surveys*, 2016, 2017, 2018
- *Ampersand. An International Journal of General and Applied Linguistics*, 2014
- *ACL Rolling Reviews (ARR)*, 2025.
- *Artificial Intelligence Communications*, 1997
- *Artificial Intelligence Journal*, 2003
- *Artificial Intelligence Review*, 1995, 2020

- *BMC Bioinformatics*, 2011
- *CLIN Journal*, 2012, 2013, 2014, 2016, 2017, 2018, 2021, 2022, 2024
- *Cognitive Systems Research*, 2004
- *Computational Cognitive Science*, 2015 (twice), 2016
- *Computational Linguistics Journal*, 1992, 1998, 2006, 2007, 2008; 2011; 2012; 2013; 2014; 2017; 2021; Special Issue on Anaphora and Ellipsis Resolution, 2000
- *Computers and the Humanities*, 2002, 2005
- *Computer Speech and Language*, 2004 (twice), 2005, 2006, 2007, 2019, 2020, 2021
- *Data and Knowledge Engineering*, 2008, 2009
- *Data Mining and Knowledge Discovery journal*, 2007
- *Decision Sciences*, 2019
- *Digital Humanities Quarterly*, 2016
- *Expert Systems with Applications, ESWA*, 2018, 2021, 2022
- *Special Issue Workflow Mining C&I*, 2003
- *IEEE Transactions on Speech and Audio Processing*, 2005
- *European Journal for Applied Linguistics (EUJAL)*, 2019
- *Frontiers in Psychology special issue on “Implications of Psycho-computational Modelling for Morphological Theory”*, 2022.
- *Himalayan Linguistics* (2017)
- *Information and Management*, 2003
- *Information Technology*, 2019
- *Information Processing and Management*, 2004
- *Information Processing Letters*, 2011
- *International Journal of Lexicography*, 2004, 2006, 2009
- *International Journal Speech Technology*, 2002
- *International Journal of Web Engineering and Technology*, 2011
- *Journal of Applied Artificial Intelligence*, 2009
- *Journal of Artificial Intelligence Research*, 2015
- *Journal of Cognitive Science*, 2015

- *Journal of Natural Language Engineering*, 2003, 2005, 2007, 2008, 2011 (three times and special issue), 2015 (twice), 2017
- *Journal of Pragmatics*, 1997
- *Journal of Semantics*, 2005
- *Knowledge Based Systems*, 2017, 2019
- *Language and Cognition*, 2019
- *Language and Cognition yearbook*, 1994
- *Language Acquisition: A Journal of Developmental Linguistics* (2010)
- *Language Resources and Evaluation journal*, 2006, 2008 (three times), 2009, 2010, 2012, 2013, 2015 (twice), 2018
- *Literary and Linguistic Computing*, *Journal of Digital Scholarship in the Humanities*, 2011 (twice), 2012 (twice), 2013, 2014 (twice), 2015 (three times), 2016 (twice), 2017, 2018, 2021, 2023 (twice), 2024, 2025 (twice)
- *Lingua*, 2003, 2004
- *Linguistica Antwerpiensia New Series*, 2017
- *Machine Learning Journal*, 1998, 1999 twice, 2005, 2006; Special Issue ML in Speech and Language Technologies, 2003; 2025
- *Machine Translation journal*, 2006
- *MIS Quarterly*, special issue on *Transformational Issues of Big Data and Analytics in Networked Business*, 2014
- *PLOS ONE*, 2019, 2020
- *Speech Communication*, 2007, 2013
- *Science*, 2009
- *Software: Practice and Experience*, 2010
- *TAL journal*, 2009, 2011
- *Tijdschrift voor Taalbeheersing*, 2017
- *Transactions on Asian Language Information Processing*, 2008
- *Transactions of the ACL*, 2012, 2013, 2014 (3 times), 2016 (3 times), 2017 (3 times), 2018 (twice)
- *Transactions on Information and System Security*, 2014
- *Written Language and Literacy*, 2016
- *Yearbook of Morphology*, 1998

Book proposal reviewing

- *Butterworth-Heinemann Publishers*, 1993
- *Kluwer Academic Publishers*, 1997, 2004
- *Blackwell Publishers*; Journal review, 2000
- *Cambridge University Press*, 2008, 2014, 2015, 2018, 2023
- *Mouton Publishers*, 2011
- *Benjamins*, 2020
- *UFS South Africa*, 2021

Project (Proposal) Reviewing

- **Belgium**: Scientific Advisor IWONL/IRSIA on Natural Language Processing projects, 1987-88; NFWO, 1993, 1994; Scientific Advisor IWT / VLAIO (Belgium) on Natural Language Processing projects, 1998, 1999 (twice), 2000, 2005, 2007 (twice), 2010, 2013, 2014. Baekeland programme, 2013, 2014, 2020. Doctoral grants, 2014; Industrial R&D, 2014; Tetra fund, 2020; Member “HOBU College”, 2001; IWOIB Brussels R&D project evaluation panel, 2006, 2008, 2010; PhD proposal evaluation panel humanities and social sciences, 2009; **Member FWO review committee CULT1**, 1/1/2016-31/12/2021, chairman in 2018.
- **Netherlands**: NWO-ST (Linguistics), 1990; NWO-SION (Computer Science), 1992; NWO-TSL (Language, Speech, and Logic) member evaluation committee research proposals, 1994; NWO-TSL VNC project, 1996; NWO TSL project, 1996, 1998; NWO-NCF project, 1996; NWO GG visitor grant, 1998; NWO GW project, 1999; NWO Mathematics, Computer Science, Physics and Astronomy proposals, 2000; NWO Physical Sciences research proposal, 2002; NWO Vernieuwingsimpuls proposal, 2002; NWO European Young Investigators Award Scheme, 2005; NWO project, 2006; NWO VICI projects, 2006; NWO VENI projects, 2008; NWO project, 2008, 2009; NWO Humanities council, 2011; NWO Natural Artificial Intelligence programme, chairman, 2014; NWO Zwaartekracht, 2018; SNN-Foundation for Neural Networks, 1995, 1996; SNN-STW neural network proposals jury, 2000; STW proposals, 2003; KNAW fellow project, 1999, 2001; KNAW postdoc programme (2007); **Member SPINOZA selection committee** (NWO, The Netherlands), 2008-2011; NIAS-Lorentz (2015); NWO VIDI, 2022; NWO scientific infrastructure call (WInc), 2024.
- **EU**: Project reviewer for EC 5th framework HLT-IST projects. Luxemburg, 2003 (Deep Thought, Ermis, DOT.KOM), Pisa 2004 (Deep Thought); Athens 2005 (Ermis); Project reviewer for 6th framework IST project X-Media: Luxemburg, 2007, Athens 2007, St. Goar, 2008, Sheffield, 2009, Koblenz, 2010; FET-open evaluation panel, Brussels, 2008, 2010, 2011, 2012, 2015. ERC Starting Grant reviewer (2011, 2016); FET Prosecco review (2014, 2015); ERC consolidator grant reviewer (2014, 2015); FET Coinvent review (2014, 2016); Marie Skłodowska-Curie Individual Fellowships (2017)
- **EU-ESF**: Exploratory Workshops (2003, 2005); Pool of reviewers (May 2008 - April 2012).
- **Ireland**: Irish Science Foundation (SFI) Investigator programme proposals (2002, 2005); review of ADAPT: Centre for Digital Content Platform Research (2019, 2023)

- **Austria:** Austrian Research Fund (FWF), (2010, 2011, 2015, 2020)
- **Singapore:** The Agency for Science, Technology and Research (A*STAR) Biomedical Research Council (BMRC), Singapore (2004)
- **Switzerland:** Swiss National Science Foundation (2005, 2010, 2015, 2025)
- **USA:** US NSF proposals (2006, 2009); BSF (United States-Israel Binational Science Foundation, 2005)
- **Spain:** CREA (Catalan Institution for Research and Advance Studies) (2005, 2006)
- **South Africa:** NRF proposals, researcher rating (2007, 2009, 2010, 2016)
- **Canada:** Natural Sciences and Engineering Research Council of Canada (NSERC), 2011
- **Germany:** DFG, Excellence Initiative panel member, Berlin, 2012; Clusters of Excellence, 2018; projects 2021.
- **France:** French National Research Agency (ANR) evaluation committee, 2011
- **Norway:** The Research Council of Norway, Independent Projects in the humanities (FRIHUM) review panel, Oslo, 2012
- **Czech Republic:** Czech Science Foundation (2018, 2023, 2024)
- **UK:** Leverhulme Trust (2014)
- **Luxemburg:** FNR CORE Multi-Annual Thematic Research Programme (2022, 2023, 2024, 2025); ADR (2024)
- **Uzbekistan:** MUNIS - Research Excellence Programme (2022)
- **Serbia:** SSF PRISMA Programme (2023)
- **Denmark:** VILLUM FONDEN (Velux Foundations) (2023)
- Reviewing proposals for Organizations: NICI (1992); ProGamma (1993); Token2000 (2001); VUB GOA proposals (2002); PASCAL challenges proposal reviewing (2005, 2006, 2008, 2009, 2010, 2011); Hogeschool Antwerpen (2006); Hogeschool Gent (2006); CLARIN (2009); CLARIAH Call for Research Pilots (2016); Tilburg center for Cognition and Communication (TiCC) PhD Proposal evaluation (2016); Radboud University Language in Interaction utilization call review panel (2016); University of Luxemburg (2020); TU Wien tenure-track assistant professor position reviews (2024, 2025); University of Helsinki (2025).

Popularization

Registered since 2015.

- Promotor of the University of Antwerp Honorary Doctorate awarded to Eduard Hovy (organisation master class, promotion video), 2015.
- Interviews to *EOS* (article on text mining) and to *Gazet van Antwerpen*, interviewed about research on stylometry research in *De Tijd*, and *Gazet van Antwerpen*, 2015.

- Interviews and research mentions in UA Magazine, Knack, DWARS, ZDNet, 2016.
- Media campaigns for CLiPS spin-off Textgain (GvA, Nieuwsblad, VRT, Laatste Nieuws, De Morgen, Belga, Radio 2, etc.) and AMiCA project (Belga, ATV, GvA, etc.), 2016.
- Interviews in Knack (Machine Translation); Computable (on Textgain); De Morgen (Replika); HRMagazine (Seedlink, profiling); Magazine Universiteit Antwerpen (Digital Humanities); Magazine Universiteit Antwerpen (AMiCA project); EOSwetenschap.eu (Textgain, Language and AI), 2017; De Tijd, 2018.
- Lecture at “Wetenschap Centraal” (Science Café) at Permeke Library, lecture about technology for keeping social media pleasant.
- Political Barometer (most newspapers); popularization event (lecture) at Antwerp Book Fair, 2019.
- Interviews OneZero (on bias in datasets); De Tijd (on GPT-3); Kanaal Z (television channel, on Flanders AI programme), 2020.
- Interview on Babelonië (radio centraal) on language technology; De Standaard (on GPT-3); on vaccinchat.be (online newspapers, Knack), 2021.
- Interviews on generative AI, Chat-GPT, impact education (De Standaard, De Tijd, Radio 1 programme De wereld van Sofie), Google LaMBDA (De Tijd, De Standaard), 2022.
- Kanaal Z interview on the shortlisting for the AHA! innovation award, 2022.
- Interviews on alleged Chatbot suicide (Knack); on ChatGPT (De Tijd, Knack, De Morgen), style imitation experiment ”Kaaiman”(article and podcast De Tijd); interview VAIA; about conspiracy tweets (Nieuwsblad), 2023; AI in universities (De Tijd); Developments in LLMs (De Tijd), 2024; Open software (Knack, Smartmedia); increase of hallucinations in LLMs (Knack); relevance of learning a language in times of AI (Knack), 2025.

University Management Service

Current roles at University of Antwerp:

- Member ICT consultation committee (from 2010)
- Member Faculty Council (from 2016), currently substitute.
- Member Faculty research advisory board (from 2017)
- Member ICT governance committee University of Antwerp (from 2018)
- Chair MA Digital Text Analysis exam and fraud committees (from 2020)
- Member UAntwerp generative AI working group, currently taskforce AI (from 2023)
- Member IOF (Industrial Research Fund) Council (from 2025).
- Member Entrepreneurship Committee (Commissie Ondernemerschap) (from 2025).

Main previous university management offices:

- Chairman (werkverbandsvoorzitter) computational linguistics department Tilburg University (1997-1998).

- Acting chairman (waarnemend sectiehoofd) computational linguistics department Tilburg University (1998-1999).
- Section Head (vakgroepvoorzitter) Linguistics (department Germanic Philology, University of Antwerp), October 2001-October 2003.
- Department Head (department of Linguistics, University of Antwerp), October 2003-November 2004; Member management board (Lid dagelijks bestuur) November 2004-2009.
- Member selection committees Faculty of Sciences and Faculty of Language and Literature.
- Member research evaluation committee IV (2014-2016), incidental member of the IOF fund committee (2013, 2015).
- Member disciplinary committee academic staff (2009-2016).
- Member teaching environments working group (2014-2016).
- UAntwerp, department of Linguistics. Vice chairman and member of management Board of the Department Council (2015 - 2018).
- Member Faculty Evaluation Committee Design Sciences (2016-2022)
- Member Research Council (OZR) University of Antwerp (2016-2020), substitute member (2021-2024).

7 Invited Lectures for a General Audience

1. Academic Meeting University of Brussels, invited talk: Artificiële Intelligentie en Natuurlijke Taal (Artificial Intelligence and Natural Language), invitation Prof. Loccufier, Brussels, Belgium, February 14, 1987.
2. Mechelen, Belgium, invited lecture: Artificial Intelligence, invitation: Prof. Despontin, January 19, 1989.
3. Vlaams Filologencongres, invited Lecture: Biological Metaphors in Natural Language Processing, invitation: Prof. T. Venckeleer, Brussels, Belgium, October 27, 1990.
4. Contactdag Spraaktechnologie Vlaanderen - Nederland, invited lecture: Automatische inductie van taalkennis ten behoeve van spraaksynthese (Automatic induction of language knowledge for speech synthesis), invitation: Dr. R. Herman, Kasteel van Ham, Steenokkerzeel, November 19, 1993.
5. Radarworkshop Language and Speech Technology, invited talk: Language Technology in Flanders, Rotterdam, The Netherlands, February 3, 1999.
6. Seminarie voor onderwijskundige professionalisering, invited talk: Internet for Linguistics and Literary Science, Antwerpen, May 5, 1999.
7. UIA Studium Generale, Wetenschap en Samenleving, invited lecture: Mogelijkheden en grenzen van de taaltechnologie. De computer begrijpt (nog) niet zo veel (Possibilities and limitations of language technology), invitation: prof. dr. Verbeure, Antwerpen, Belgium, 6 November, 2000.
8. Colloquium Academisch Genootschap Sint-Albertus, invited talk: Language Technology: Achievements and Limitations, invitation: Dr. P. Michels, Genk, December 21, 2001.
9. Vlaams Parlement, interparlementaire commissie Nederlandse Taalunie, invited contribution: Taal- en spraaktechnologie in Nederland en Vlaanderen in 2003 (Language and speech technology in The Netherlands and Flanders in 2003), invitation: Koen Jaspaert, Brussel, November 3, 2003.
10. STEVIN-meeting Language and Speech Technology and the ICT market, invited contribution: What do companies want from the knowledge infrastructure?, Antwerpen, provinciehuis, March 2, 2005.
11. Lentecyclus van het Centrum voor Europese Cultuur van de Koninklijke Vlaamse Academie van België voor Wetenschappen en Kunst, invited lecture: Automatisch vertalen tussen taalkunde en statistiek (Machine Translation between linguistics and statistics), invitation: Sophie Dejaegher, Brussels, May 27, 2009.
12. ActUA, XIIth Spectrum series, invited talk: Computertaalkunde: rekenen met taal (Computational Linguistics: language arithmetic), invitation: Ludwig Callaerts, Antwerp, Belgium, November 25, 2010.
13. Taal in Bedrijf, invited talk: CSI Facebook: profiling met computerstylogometrie in sociale media, (Profiling with computational stylometry in social media), invitation: Jan Odijk, Rotterdam, November 29, 2011.
14. TEDx Flanders Salon, invited talk: Computertaalkunde (Computational Linguistics), invitation: Rachid Atia, Atlas Antwerp, November 14, 2013.
15. University of Antwerp information session on bequeathing. Invited presentation: software for detecting cyberpedophilia in social networks, invitation: Tinne Marynissen, University of Antwerp, April 28th, 2014.
16. J&J Security Awareness Week, invited talk: The AMiCA project: online safety for children in social networks, invitation: Guy Calomme, Beerse, Belgium, June 16, 2014.
17. KVAB-KANTL joint meeting, invited talk on 'Een onverwachte toepassing van automatische stijlanalyse: veiligheid van jongeren in sociale netwerken' (An unexpected application of stylometry: security of young people in social networks), Brussels, 20 September, 2014.
18. ELRC BELGIUM Workshop, invited talk: Languages and language technologies in Belgium, invitation: Véronique Hoste, Ghent, Belgium, April 13, 2016.
19. Volkssterrenwacht Urania, invited talk: Een nieuwe lente voor de Artificiële Intelligentie? (A new spring for Artificial Intelligence?), invitation: Jef De Wit, Hove, Belgium, February 2, 2017.
20. CCL 25, invited talk: Computational Linguistics in Flanders (CLIF): 1995-2010, invitation: Frank Van Eynde, Leuven, Belgium, February 9, 2017.
21. KANTL meeting, 'Mechanische creativiteit? Van écriture automatique tot twitterbot'. Ghent, May 17, 2017.
22. KVAB Artificiële intelligentie - studiedag & debat, invited talk: Automatische verwerking van natuurlijke taal (Automatic processing of natural language), invitation: Luc Steels, Brussels, Academy building, September 19, 2017.

23. Workshop on Artificial Intelligence. Real change?, invited talk: Artificial Intelligence and Natural Language Processing, invitation: Ivo Van Horebeek, Leuven, March 15, 2018.
24. KDG-hogeschoolcongres, themamiddag Artificial Intelligence, invited talk: Artificial Intelligence and Natural Language, invitation: Patrick Hebb, Antwerp, March 19, 2019.
25. NUT-jubileumconferentie Macht en pracht van taal, invited talk: De auteur achter de tekst: automatische profilering in sociale media (The author behind the text: automatic profiling in social media), invitation: Anouk van Eerden, Antwerpen, April 5, 2019.
26. De Scriptorij Conference on the impact of artificial intelligence on copy and communication, invited talk: De Schrijvende Computer (The writing computer), invitation: Bavo Van Landeghem, Ghent, November 21, 2019.
27. AI workshop Nederlandse Rijksoverheid en Vlaams Departement EWI, panel over NLP voor het Nederlands (NLP for Dutch), invitation: Seger Bauwens, October 5, 2020 (online).
28. Orde van den Prince, invited talk: Deep Neural Networks, invitation: Ronald Van Brempt, Antwerp, January 8, 2021 (online).
29. TEDx Antwerp, invited talk: AI for NLP, Antwerp, invitation: UA Antwerp PR department, Arenberg, November 27, 2021.
30. AI Inspiration Session at AGORIA on possibilities and limitations of conversational agents, invitation: Ferdinand Casier, February 25, 2022. (online).
31. SSH-ENRIITC, invited moderator session on SSH research infrastructures & networks, invitation: Franciska de Jong, March 11, 2022. (online).
32. Contribution to 'Show me the science', commentary about Linguistics and communication with aliens after a showing of the movie 'Arrival', invitation: Barbara Deslé, Antwerp, Lumière movie theatre, March 23, 2022.
33. Talk on Conversational Agents at NoTaS, invitation: Catia Cucchiarini, April 22, 2022. (online).
34. Talk on Artificial Intelligence and Chatbots for Vlaamse Academië Mechelen, CCMechelen, invitation: Els Bouwen, October 20, 2022.
35. Studium Generale talk about social media monitoring, invitation: Els Grieten, Antwerp, December 5, 2022.
36. Sociaal-Economische Raad Vlaanderen (SERV), invited lecture: 'ChatGPT: your Digital BFF?', Invitation: Peter Van Humbeek, Brussels, February 16, 2023.
37. Introduction to ChatGPT for non-fiction authors, FAAR Oostende, vzw Creatief Schrijven, invitation: Tony Vanderheyden, Ostend, March 12, 2023.
38. MIT-club ImpaCT of Technology Trends on our Society" Seminar, invited talk: 'ChatGPT voor de CIO?', invitation: Luc Verhelst, Brussels, March 22, 2023.
39. KANTL lecture on 'ChatGPT, dichter of denker?', Ghent, May 27, 2023.
40. Introduction to ChatGPT for fiction writers, vzw Creatief Schrijven, invitation: Tony Vanderheyden, Deurne, June 23, 2023.
41. Wetenschap aan Zee, invited talk: 'GPT ontfaeld: bron van waarheid of leugenpaleis?', invitation: Luc Steels, Ostend, August 4, 2023.
42. University of Antwerp Education Management Day, invited lecture: 'ChatGPT als intelligente dagdromer', invitation: Luc Van De Poele, Antwerp, September 14, 2023.
43. KVAB / KANTL joint academies meeting, presentation on 'Het taalvermogen van ChatGPT. Naar een nieuwe taalkunde op basis van generatieve taalmodellen?', Brussels, September 16, 2023.
44. Launch event ACRAI, invited talk 'ChatGPT as an intelligent daydreamer', invitation: David Martens, Antwerp, September 28, 2023.
45. Symposium AI as an agent of change, invited talk 'Inside the cave of text', Thinkers Cycle, KVAB, Palace of the Academies, Brussels, November 20, 2023.
46. Evening on Management Informatics, invited talk: 'Generative AI for Data Science: one year of ChatGPT', invitation: Jan Verelst, Antwerp, November 30, 2023.
47. WINAK networking evening, invited talk: 'Demystifying Large Language Models', invitation: Bart Goethals, Antwerp, February 28, 2024.
48. CNO Taaldag, invited keynote talk: 'Taaltechnologie voor en na ChatGPT', invitation: Elke Van Santvliet, Antwerp, March 7, 2024.

49. OMP Data Science 'tech session', invited talk: 'Large Language Models for data science: game changers or just another tool?', invitation: Frizo Janssens, March 12, 2024.
50. Orde van den Prince, invited talk on 'ChatGPT: een filosofische zombie in de grot van Plato', invitation: Bernard Sintobin, Mechelen, March 21, 2024.
51. VLIR podcast 'Mind the GAP' on Generative AI (with Vincent Ginis en Geert Jan Bex), invitation: Marianne De Voecht, Brussels, May 16, 2024.
52. Book presentation, invited talk: 'Taaltechnologie: groei en kwetsbaarheid', invitation: Véronique Hoste, Boekentoren Ghent, June 18, 2024.
53. Educational workshop faculty of science, invited talk: 'Generative AI: how it works and recent developments', invitation: Evelien De Groot, Antwerp, July 4, 2024.
54. CNO CVA meeting, invited talk: '(Generatieve) Artificiële Intelligentie', invitation: Elke Van Santvliet, Antwerp, September 9, 2024.
55. VLAS, invited talk on 'Artificiële Intelligentie na ChatGPT', invitation: Marie Christine Kennes, Antwerp, September 20, 2024.
56. PERA workshop on AI powered HR, invited keynotes on 'From Text to Knowledge: NLP for HR' and 'Large Language Models: Who's afraid of philosophical zombies', invitation: Rina Joosten, Den Bosch, September 26, 2024.
57. Podcast 'Discours met de boys' on Generative AI (with Luc De Raedt), invitation: Arno Steenackers, Kontich, October 4, 2024.
58. European Language Data Space (LDS) workshop 'Unleashing the potential of language data', invited panel organization and moderation on 'Language Data and Language Technologies in Belgium and the Netherlands for Dutch', Breda, January 23, 2025.
59. FBE education day on AI, invited presentation on 'GenAI (LLMs): impact on education', invitation: Nele Verbist, Antwerp, February 13, 2025.
60. PaStory lectures, invited presentation on 'ChatGPT: Doorbraak of Voorbode van een Nieuwe AI Winter?', invitation: Rudi Van Dam, Antwerp, February 26, 2025.
61. Szivil citizen panel on Artificial Intelligence, presentation on AI use case artificial patient, invitation: Lorenza Russo, Technopolis Mechelen, March 15, 2025.
62. CNO Taal dag, invited keynote talk: 'De AI onderwijsassistent', invitation: Elke Van Santvliet, Antwerp, March 18, 2025.
63. FAIR highway session, invited presentation on '(Dutch) Large Language Models for Private Use', VRT Brussels, invitation: Kevin D'hooge, April 22, 2025.
64. EFUA Forum on Artificial Intelligence, invited talk: 'Filosofische zombies in de grot van Plato. Hoe Large Language Models werken', Antwerp, invitation: Frans Van Meir, March 26, 2025.
65. Flanders AI Forum, invited presentation on 'Nederlandstalige grote taalmodellen', invitation: Luna De Bruyne, Gent ICC, June 17, 2025.
66. KVAB study day on social media and AI, invited presentation on 'De weg naar adequate Nederlandse / Vlaamse taalmodellen', invitation: Luc Steels, Brussels, December 4, 2025.

Invited Lectures, academic

1. University of Sussex, invited lecture: Applications of a model of Dutch morphophonology, invitation: Gerald Gazdar, School for Cognitive and Computing Sciences, Brighton, UK, June 20, 1988.
2. University of Edinburgh, invited lecture: A model of Dutch Morphophonology, invitation: Jo Calder, Centre for Cognitive Sciences, Edinburgh, UK, July 28, 1988.
3. University of Gent, invited lecture: Object-oriented Approach to Modeling of linguistic knowledge, invitation: Prof. Y. Willems, Computer Science Laboratory, Gent, Belgium, November 14, 1988.
4. Tilburg University, invited lecture: Object-oriented Linguistics, invitation: Prof. H. Bunt, Institute for Language Technology and Artificial Intelligence, Tilburg, The Netherlands, January 5, 1989.
5. Workshop Linguistic Analysis and Speech Technology, invited lecture: GRAFON-D: An Object-oriented system for grapheme to phoneme conversion, invitation: Ton van der Wouden, Leiden, The Netherlands, 26–27 January, 1989.

6. University of Nijmegen, invited lecture: Object-oriented Linguistics, invitation: Prof. G. Kempen, NICI, Nijmegen, The Netherlands, February 23, 1989.
7. International Center for Semiotic and Cognition Studies, advanced workshop on Connectionism and Language, keynote: Soft Constraints and Hard Rules in the Lexicon, invitation: Prof. S. Cerri, San Marino, Italy, 11–13 October, 1989.
8. CBL Symposium Computer en Onderwijs, invited paper: TDTDT and Spelraam, invitation: Prof. P. Reynders, Antwerp, Belgium, October 13, 1990.
9. Tilburg University, invited lecture: Inheritance in Natural Language Processing, invitation: Prof. H. van Riemsdijk, Tilburg, The Netherlands, October 31, 1990.
10. University of Leuven, computer science department, invited lecture: Selectionism in natural language processing, invitation: Prof. Y. Willems, Leuven, Belgium, November 15, 1990.
11. University of Nancy, CRIN, invited lecture: Lexical research at ITK, invitation: Dr. Guy Deville, Nancy, France, January 8, 1991.
12. University of Nijmegen, Lezingendag werkgemeenschap Taal en Geheugen (Aspecten van AI onderzoek), invited lecture: Taalkundige toepassingen van default inheritance (with Koenraad De Smedt), invitation: Dr. Henk van Jaarsveld, Nijmegen, The Netherlands, January 23, 1991.
13. University of Bielefeld, Workshop on Computational Phonology and Morphology, invited lecture: Connectionist and Selectionist Approaches to phonological acquisition, invitation: Prof. Dafydd Gibbon, Bielefeld, Germany, October 23, 1991.
14. LIKE Colloquium, invited lecture: Evaluation of Lexical Representation Formalisms (with Erik-Jan van der Linden), invitation: Dr. Hans Weigand, Tilburg, The Netherlands, January 23, 1992.
15. University of Brussels, invited seminars: Issues in Computational Semantics and Structure and Organisation of Computational Lexicons, invitation: Prof. Steels, Brussels, Belgium, February 17, 1992.
16. NATO Advanced Research Workshop, invited poster presentation: An intelligent Environment for learning to program AI Formalisms, invitation: Enrica Lemut, S. Margherita, Genova, Italy, March 18, 1992.
17. International Workshop of the EAMT on Machine Translation and the Lexicon, invited lecture: A generic architecture for data-oriented lexical acquisition, invitation: Petra Steffens (IBM), Heidelberg, Germany, April 26–28, 1993.
18. Workshop on Connectionism and Natural Language (TWLT 3), invited paper; Generalization Performance of Backpropagation Learning on a Syllabification Task (with Antal van den Bosch), invitation; Prof. Anton Nijholt, Enschede, The Netherlands, May 13, 1992.
19. Colloquium of the Centre for Computational Linguistics, invited lecture: A generic architecture for data-oriented lexical acquisition, invitation: Geert Adriaens, Leuven, Belgium, May 28, 1993.
20. Second Workshop on the Cognitive Science of Natural Language Processing, invited lecture: A generic architecture for data-oriented lexical acquisition, invitation: Andy Way, Dublin, Ireland, July 26–27, 1993.
21. Workshop Cognitive Models of Language Acquisition, invited paper: Lazy Learning: A comparison of natural and machine stress learning, with Gillis and Durieux, invitation: Peter Broeder and Jaap Murre, Tilburg, April 21–23, 1994.
22. Elsnnet/Mlnet Workshop on Machine Learning of Natural Language and Speech, invited lecture: Case-Based Natural Language Learning, Amsterdam, The Netherlands, December 2–3, 1994.
23. Seminar AI Group, University of Osnabrück, invited lecture: Case-Based Learning of Natural Language, invitation: Dr. Bart Geurts, Germany, January 31, 1995.
24. Seminar Linguistics department, University of Göteborg, invited lecture: Case-Based Learning of Natural Language. invitation: Dr. Joakim Nivre, Sweden, May 16, 1995.
25. Seminar department of Biophysics, University of Nijmegen, invited talk: Lazy Learning as an alternative to connectionist learning, invitation: Dr. H. Kappen, May 23, 1995.
26. Seminar on Data-oriented and Memory-based Language Processing, Tilburg University, invited talk: Memory-Based Language Processing, invitation: Jakub Zavrel, June 6, 1995.
27. ESSLLI 95 Workshop on Formal and Computational Phonology, invited lecture: Unsupervised Discovery of Phonological Categories through Supervised Learning of Morphology, invitation: Mark Ellison, Barcelona, August 23, 1995.
28. ESSLLI 95 Workshop on The Computational Lexicon, keynote: Memory-Based Lexical Acquisition, invitation: M. Felisa Verdejo, Barcelona, August 25, 1995.

29. CLIF workshop on The Future of Language Technology in Flanders, invited talk: Language Technology without Linguistics?, Antwerp, November 30, 1995.
30. Colloquium of the Centre for Computational Linguistics, invited talk: Automatic discovery of linguistic rules and categories, invitation: Frank Van Eynde, Leuven, Belgium, January 12, 1996.
31. Psychology Colloquium, invited lecture: Memory-Based Acquisition and Processing of Language, invitation: Gerard Kempen, Leiden, The Netherlands, May 7, 1996.
32. NIAS Workshop on Computational Models of Human Syntactic Processing, invited talk: Memory-based language acquisition and processing (with Gillis), invitation: Koenraad De Smedt, Wassenaar, The Netherlands, June 6, 1996.
33. Sixth Belgian-Dutch Conference on Machine Learning, invited talk: Abstraction Considered Harmful: Lazy Learning of Language Processing, invitation: Jaap van den Herik, Maastricht, The Netherlands, September 20, 1996.
34. CLS Opening Academic Year, invited lecture: Experience-Driven Language Acquisition and Processing, invitation: CLS board, Tilburg, The Netherlands, October 11, 1996.
35. Seminar on Philosophical and Computational Approaches to Analogy, invited talk: Exemplar-Based Language Acquisition and Processing, invitation: Jakub Zavrel, Tilburg University, April 4, 1997.
36. Belgian Artificial Intelligence Day, invited talk: Machine Learning of Natural Language Processing, invitation: Luc De Raedt, Leuven, April 28, 1997.
37. Linguistics Seminar, invited talk: Memory-Based Language Engineering, invitation: Vera Kamphuis, Nijmegen, May 7, 1997.
38. International Cognitive Linguistics Conference, invited theme session paper: Exemplar-based Language Acquisition and Processing, invitation: David Powers, July 18, 1997.
39. NeMLap-3 invited talk: Abstraction is harmful in language learning, invitation: David Powers and Harold Somers, Sydney, Australia, January 15, 1998.
40. ECML workshop Towards adaptive NLP-driven systems (TANLPS), invited talk: Memory-Based Language Engineering, invitation: Roberto Basili, Chemnitz, April 24, 1998.
41. SIKS Theme Day Natural Language and Intelligent Knowledge Systems, invited lecture: Lazy Language Learning, invitation: Hans Weigand, Tilburg, May 13, 1998.
42. Second Workshop on Computationally-intensive Methods in Quantitative Linguistics, invited talk: Linguistics as Data Mining: Using Machine Learning Techniques to Discover Linguistic Generalizations, invitation: Fiona Tweedie, Glasgow, Scotland, September 7–9, 1998.
43. XV Congreso de la Sociedad Española para el Procesamiento del Lenguaje Natural (SEPLN), invited keynote: Shallow Parsing with Examples, invitation: Felisa Verdejo, Lleida, September 7–9, 1999.
44. Artificial Intelligence and Beyond 2, invited talk: Empirical Natural Language Processing, invitation: Lea Vermeire, Leper, December 15, 1999.
45. VUB Brussels, invited lecture: Empirical Natural Language Processing, invitation: Bernard Manderick, Brussels, Belgium, January 12, 2000.
46. Erasmushogeschool, invited lecture: Zelflerende Taaltechnologie (Self-learning Language Technology), invitation: Lucia Luyten, Brussel, Belgium, February 15, 2000.
47. Analogical Modeling of Language Conference, invited talk: Comparison of AML to memory-based language processing, invitation: Royal Skousen, Provo, Utah, USA, March 23, 2000.
48. ICCS Colloquium, invited lecture: A memory-based single route model for German plurals, invitation: Johanna Moore, University of Edinburgh, December 7, 2000.
49. ICCS Colloquium, invited lecture: Memory-based shallow parsing, invitation: Johanna Moore, University of Edinburgh, December 8, 2000.
50. Advanced course on Full-Text Information Retrieval Methods, invited contribution: k-NN classification, invitation: Kees Koster, Nijmegen, The Netherlands, March 5–6, 2001.
51. Trends in Special Language and Language Technology, invited panel contribution, Mastering Tools and Technology, invitation: Rita Temmerman, Brussels, Flemish Parliament, 29–30 March, 2001.
52. Computerlinguistisches Kolloquium, invited lecture: Memory-Based Language Processing: Perspectives from Language Technology and Computational Psycholinguistics, invitation: Matthew Crocker, Saarbruecken, Germany, June 7, 2001.

53. Workshop on Morphological Processing, invited paper: A memory-based single-route model for German and Dutch plurals, invitation: Harald Baayen, Nijmegen, MPI, The Netherlands, June 11–14, 2001.
54. SENSEVAL 2 Workshop, invited contribution to panel on ‘What kind of sense distinctions are hardest for systems to make, invitation: Martha Palmer, Toulouse, France, July 5–6, 2001.
55. Euroconference Recent Advances in Natural Language Processing (RANLP), invited talk: Memory-Based Language Processing, invitation: Ruslan Mitkov, Tsigov Chark, 5–7 September, 2001.
56. Natural Language and Computational Linguistics seminar, invited seminar: Limitations of Current Methodology in Machine Learning of Natural Language, invitation: John Carroll, Brighton, University of Sussex, January 17th, 2002.
57. Seminarie Informatica, invited lecture: Kennis uit Tekst: inleiding tot de text mining (Knowledge from Text, Introduction to Text Mining), invitation: Brigitte Verdonk, University of Antwerp, March 20, 2002.
58. ESSLLI’2002 Workshop on Machine Learning approaches in Computational Linguistics, invited talk: Machine Learning of Language, a model and a problem, invitation: Erhard Hinrichs, Trento, Italy, August 5, 2002.
59. DAWAK 2002 (Data Warehousing and Knowledge Discovery), invited talk: Text Mining Applications of a Shallow Parser, invitation: Werner Winiwarter, Aix-en-Provence, France, September 4, 2002.
60. XVIII Congreso de la SEPLN, invited talk: Limitations of comparative machine learning methodology for language technology, invitation: Valentin Cardenoso Payo, Valladolid, September 11, 2002.
61. Workshop on Quantitative Investigations in Theoretical Linguistics, invited talk: Machine Learning for Linguistics, invitation: Anke Lüdeling. Osnabrück, Germany, October 5, 2002.
62. Symposium on recent trends in data mining, invited talk: Instance-Based Learning for Text Mining, invitation: Hendrik Blockeel, Leuven, Belgium, October 11, 2002.
63. Language Technology in Norwegian: The Norwegian Language Bank, invited talk: BLARK: Basic Language Resources Toolkit / The Corpus Spoken Dutch; and invited talk: Learning Text Mining, invitation: Koenraad De Smedt, Bergen, Norway, October 24–25, 2002.
64. National University of Singapore, invited talk: Pitfalls in comparative machine learning methodology for natural language processing, invitation: Hwee Tou Ng, NUS, Singapore, February 11, 2003.
65. I2R Institute for Information and Communication Research, invited talk: Memory-Based Shallow Parsing, invitation: dr. Jian Su, Singapore, February 13, 2003.
66. DSO National Laboratories, invited talk: Text Mining at CNTS, invitation: dr. Khee Yin How, Singapore, February 14, 2003.
67. Meaning workshop, invited talk: Optimization in Machine Learning of Word Sense Disambiguation, invitation: Eneko Agirre, San Sebastian, Spain, April 11, 2003.
68. CGN workshop, invited panel contribution: Desiderata corpora language technology, invitation: Harald Baayen, Nijmegen, May 16, 2003.
69. Formal Grammar Vienna, invited talk: Exemplar-Based Language Models, invitation: Paula Monachesi. Vienna, August 17, 2003.
70. International Colloquium on Multilingualism and Electronic Information management, invited talk: Annotated Corpora for Fast Shallow Parsing for Text Mining, invitation: Theo du Plessis, Bloemfontein, South-Africa, September 23, 2003.
71. Workshop on partnership: SA-Dutch Language Union on Development of Human Language Technologies. Possibilities and Challenges, invited talk: A report on basic resources for Dutch Language and Speech Technology, invitation: Theo du Plessis, Bloemfontein, South-Africa, September 23, 2003.
72. Workshop on Grammars and Learning, invited paper: Example-Based Language Learning: Generalization does not equal abstraction, invitation: Michael Moortgat, Utrecht, The Netherlands, November 14, 2003.
73. PASCAL workshop on Learning Methods for Text Understanding and Mining, invited tutorial: Memory-based Language Processing, invitation: Nicola Cancedda, Grenoble, France, January 26–29, 2004.
74. Colloquium on multimodal information extraction, invited talk: Shallow Understanding for Text Mining, invitation: Folkert De Vriend, Nijmegen, The Netherlands, May 12, 2004.
75. Language and Inference Technology group (LIT) research seminar, invited talk: Optimization in Machine Learning of Word Sense Disambiguation, invitation: Maarten de Rijke, Amsterdam, The Netherlands, May 14, 2004.
76. ESTAL - ESPANA for NATURAL LANGUAGE PROCESSING conference, invited talk: Reusable Text Analysis for Applications, invitation: Manuel Palomar, Alicante, Spain, October 20-22, 2004.

77. Department of Psychology, University of Ghent, invited talk: Computational Models of Inflectional Morphology, invitation: Tom Verguts, Gent, March 8, 2005.
78. Congres Media Accessibility, invited talk: Automatic text compression for subtitling, invitation: Aline Remael, Barcelona (Universitat Autònoma), June 8, 2005.
79. LingForum Ghent, invited talk: Trends in Computational Linguistics, invitation: Evie Coussé, Ghent, November 8, 2005.
80. Experimental Methods in Language Acquisition Research (EMLAR-II), invited tutorial: Simulation, invitation: Esther Ruigendijk, Utrecht, November 17, 2005.
81. Conference on Natural Language Learning (CoNLL X). Keynote talk: A Mission for Computational Natural Language Learning, invitation: Lluís Marquez, New York, USA, June 8, 2006.
82. Data Mining Day, invited talk: Text Mining, invitation: Bart Goethals, Antwerp, Belgium, June 15, 2006.
83. Tecnologies de la Llengua: Tècniques d'aprenentatge automàtic, invited talk: Comparison of Machine Learning Techniques, invitation: Marsal Gavaldà. Centre Ernest Lluch, Barcelona, July 6, 2006.
84. BNAIC Conference, panel on history, current status, and future of AI, invited contribution, invitation: Edwin de Jong, Namur, Belgium, October 5, 2006.
85. Symposium *50 Years AI.*, invited talk: Natural Language Processing, invitation: Luc Steels, Academiegebouw, Brussels, Belgium. November 23, 2006.
86. StatUA seminar, invited talk: The statistical revolution in natural language processing: eager and lazy language learning from text data, invitation: Peter Goos, Antwerp, Belgium, March 22, 2007.
87. NODALIDA 2007, the 16th Nordic Conference of Computational Linguistics, invited talk: Text Analysis and Machine Learning for Stylometrics and Stylogenetics, invitation: Joakim Nivre, Tartu, Estonia, May 26, 2007.
88. Workshop on Machine Learning and Cognitive Science of Language Acquisition, invited talk: Memory-based models of inflectional morphology acquisition and processing, invitation: Alex Clark, London, UK, June 22, 2007.
89. LSSA/SAALA/SAALT joint conference, invited talk: Memory-based shallow parsing for fast development of linguistic tools and modules, invitation: Bertus van Rooy, Potchefstroom, South-Africa, July 4, 2007.
90. LSSA/SAALA/SAALT joint conference, workshop on Rekenarlinguistiek, invited talk: Recent approaches to MT evaluation, invitation: Gerhard van Huyssteen, Potchefstroom, South-Africa, July 5, 2007.
91. ESF Exploratory Workshop on Models of Language Evolution, Acquisition and Processing, invited paper: Memory-Based Learning, invitation: Lou Boves, Leuven, Belgium, November 27, 2007.
92. Dublin Computational Linguistics Research Seminar Series, invited talk: Text Analysis and Machine Learning for Personality and Author Detection from Text, invitation: Josef Van Genabith, Dublin, Ireland, March 7, 2008.
93. Information Retrieval Seminar 'What's on in Computing Science?', invited talk: Author Personality and Identity Detection with Limited Data from Many Authors, invitation: Leif Azzopardi, Glasgow, Scotland, June 23, 2008.
94. Workshop on HLT Collaboration between South Africa and the Low Countries, invited presentation: Research on Human Language Technologies in Flanders, invitation: Dutch Language Union, Monkey Valley, South-Africa, 24–25 November, 2008.
95. Wetenschappelijk Interdisciplinair Seminarie (WIS), invited talk: Progress in Natural Language Understanding, invitation: Kim Volders, Antwerpen, May 20, 2009.
96. International Summer School on Embodied Language Games and Construction Grammar, invited lecture: Memory-Based Language Processing; invited tutorial: Parsing Technologies, invitation: Vanessa Micelli, Cortona, Italy, August 29–September 4, 2009.
97. RANLP 2009 invited keynote: Robust Features for Computational Stylometry, invitation: Ruslan Mitkov, Borovec, Bulgaria, September 16, 2009.
98. Technical University Eindhoven, invited talk: Machine learning for Computational Stylometry, invitation: Christian Guenther, Eindhoven, The Netherlands, September 22, 2009.
99. ESF SCH Exploratory Workshop: Words In Action: Interdisciplinary Approaches To Understanding Word Processing And Storage, invited talk: Memory-Based Morphological Processing, invitation: Vito Pirrelli, Pisa, Italy, October 11–14, 2009.
100. University of Groningen, invited talk: Computational Stylometry: Linguistic Features for Authorship Attribution, invitation: Myrte Gosen, Groningen, November 13, 2009.

101. Computer Science VIII: Artificial Intelligence Unit, TU Dortmund, invited talk: Machine Learning for Text Mining, invitation: Katharina Morik, Dortmund, Germany, January 21st, 2010.
102. National Centre for Text Mining (NACTEM), invited talk: Text Mining in the Biograph project, invitation: Sophia Ananiadou, Wednesday 17th March, 2010.
103. USC/ISI NL Seminar, unvited talk: Robust features for Computational Stylometry, invitation: Ed Hovy, Los Angeles, USA, April 30, 2010.
104. ACL DANLP workshop, invited panel contribution: Domain Adaptation, invitation: Jörg Tiedemann, Uppsala, Sweden, July 15, 2010.
105. Workshop on Mechanisms of early language acquisition: computational modeling and human data, invited talk: Implicit schemata and categories in memory-based language acquisition and processing, invitation: Frans Adriaans, Utrecht, The Netherlands, February 24, 2011.
106. CIMEC Research Seminars, invited talk: Computational Stylometry, invitation: Massimo Poesio, Università di Trento, April 21, 2011.
107. Biomina kick-off symposium, invited talk: Advances in biomedical text mining, invitation: Tim Van den Bulcke, University Hospital Antwerp, June 29, 2011.
108. CLEF workshop on Question Answering for Machine Reading Evaluation, invited keynote talk: Text Mining in Biograph, invitation: Anselmo Peñas, Amsterdam, September 20, 2011.
109. Lectures on Language Technology and Cognition, invited talk: Computational Stylometry, invitation: Joakim Nivre, Uppsala, Sweden, March 9, 2012.
110. Forensic Intelligence. Intelligent Data-Analysis for Safety & Security, invited talk: Automatische profilering van gebruikers en gesprekken in sociale media (Automatic profiling of users and conversations in social media), invitation: Cor Veenman, Den Haag, NFI, June 14, 2012.
111. Text, Speech and Dialogue Conference. Keynote talk: Computational Stylometry, invitation: Ales Horak, Brno, Czech Republic, September 7, 2012.
112. CENTAL seminar, invited talk: Author Profiling: extracting psychological and sociological properties of authors from text, invitation Noémi Boubel, UCL, Louvain-La-Neuve, November 30, 2012.
113. MTT Research Seminar, invited talk: Applications of text analytics in social media, invitation: David Martens, Antwerpen, March 15, 2013.
114. 14th International Conference on Intelligent Text Processing and Computational Linguistics, CICLing-2013, Keynote talk: Explanation in Computational Stylometry, invitation: Aleksander Gelbukh, Samos, Greece, March 26, 2013.
115. CSIR Lectures, invited talk: Everybody Lies: finding clues about personality and deception in text, CSIR, invitation: Febe de Wet, Pretoria, South-Africa, April 18, 2013.
116. CTEXT Colloquia, invited talk: Everybody Lies: finding clues about personality and deception in text, invitation: Gerhard Van Huyssteen, CTEXT, Potchefstroom, South-Africa, April 19, 2013.
117. TLA lectures on e-humanities in Action, invited talk: Detecting author personality from text, invitation: Sebastian Drude, MPI, Nijmegen, The Netherlands, May 15, 2013.
118. CAPRI Research Club, invited talk: Text analytics for detection of Alzheimer and Schizophrenia: outlook and problems, invitation: Livia De Picker, Antwerp, May 21, 2013.
119. Computational Linguistics Colloquium Saarbrücken, invited talk: Machine Learning of Personality Assignment and Deception Detection, invitation: Dietrich Klakow, Saarbrücken, July 25, 2013.
120. Digital Humanities Summer School, invited talk: Stylene: an environment for stylometry and readability research, invitation: Frank Van Eynde, Leuven, September 20, 2013.
121. ProSecco Network First Annual Contact Forum, invited talk: Computational Stylometry, invitation: Tony Veale, El Escorial, Spain, 21–23 February 2014.
122. Symposium on The Road Toward Human-Level Artificial Intelligence, invited talk: The way back from Text Mining to Text Understanding, Tilburg, invitation: Harry Bunt, April 22, 2014.
123. CRISSP Seminar series, invited talk: Three levels of knowledge extraction from text, invitation: Tanja Temmerman, KU Leuven Brussels, May 19, 2014.

124. 5th International Workshop on emotion, social signals, sentiment and linked open data, invited talk on Profiling and sentiment mining for detecting threatening situations in social networks: the AMiCA project, invitation: Paul Buitelaar, Reykjavik, Iceland, May 26, 2014.
125. Technical University Darmstadt, LKE/KDSL, invited talk: The AMiCA project: computational stylometry for online safety of children in social networks, invitation: Iryna Gurevych, Darmstadt, Germany, July 28th, 2014.
126. Sixth International Conference on Human Language Technologies, invited keynote: Machine Learning Approaches to Computational Stylometry, invitation: Jurgita Kapočiūtė-Dzikiėnė, Kaunas, Lithuania, September 26th, 2014.
127. University of Copenhagen, Centre for Communication and Computing, invited talk: Author Profiling for Cybersecurity: The AMiCA Project, invitation: Barbara Plank, Copenhagen, Denmark, June 25th, 2015.
128. 14th International Pragmatics Conference, invited plenary lecture: Profiling social media text: The AMiCA project, invitation: Jef Verschueren, Antwerp, Belgium, July 31, 2015.
129. 13th Evaluation Lab on Uncovering Plagiarism, Authorship, and Social Software Misuse, invited keynote: Profiling in Practice, invitation: Martin Potthast, Toulouse, France, September 9, 2015.
130. Dagstuhl workshop on Debating Technologies, invited talk: Profiling and Argumentation, Schloss Dagstuhl, Germany, December 13–18, 2015.
131. Summer School on Human Language: From Genes and Brains to Behavior (Language in Interaction Project), invited talk: The robot stylometrist, invitation: Peter Hagoort, Berg en Dal, The Netherlands, July 14, 2016.
132. 7th Workshop on Cognitive Aspects of Computational Language Learning (CogACLL), invited panel contribution: Cognitive Computational Modeling: NLP innovations and trends for the future, invitation: Aline Villavicencio, Berlin, Germany, August 11, 2016.
133. International FRUCT conference on Intelligence, Social Media and Web (ISMW FRUCT), invited tutorial: Language Technology for Cybersecurity; invited keynote: Detecting age, gender, and personality of social media authors, invitation: Paolo Rosso, Saint Petersburg, Russia, September 1–3, 2016.
134. 4th International Conference on Statistical Language and Speech Processing (SLSP 2016), invited talk: Advances in Statistical Approaches to Personality Prediction from Text, invitation: Carlos Martın-Vide, Pilsen, Czech Republic, October 11–13, 2016.
135. EVALITA 2016 (Evaluation of NLP and speech tools for Italian), invited talk: Profiling the Personality of Social Media Users, invitation: Malvina Nissim, Napoli, Italy, December 7, 2016.
136. B-Debate on AI: Dreams, Reality, and Risks, invited talk: Advances in Natural Language Processing and how they can bring truth, security, and order in cyberspace, invitation: Luc Steels, Barcelona, Spain, March 7-8, 2017.
137. SIKS Symposium Ripples of Real-world Events on Social Media, invited talk: Text analysis for social media moderation, invitation: Florian Kunneman, Nijmegen, The Netherlands, March 21, 2017.
138. Workshop on Stylistic Variation, invited talk: Problems in Personality Profiling, invitation: Julian Brooke, Copenhagen, Denmark, September 8, 2017.
139. Uppsala Lectures on Language Technology, invited talk: Personality Profiling Methodology, invitation: Joakim Nivre, Uppsala, January 19, 2018.
140. MACHine learninG in information NETworks (MAGNET), invited talk: Profiling authors from social media texts, invitation: Pascal Denis, Lille, February 8, 2018.
141. OPEN Forum Technology for Access, invited talk: Artificial Intelligence and Natural Language, invitation: Nina Revers, Antwerpen, February 8, 2019.
142. CLS colloquium, invited talk: Computational Linguistics Research at CLiPS, invitation: Henk van den Heuvel, Nijmegen, May 8, 2019.
143. Artificial Intelligence Platform (PFIA) conference, invited keynote: Profiling authors from text: A critical look at the state of the art, invitation: Yves Demazeau, Toulouse, July 3, 2019.
144. EBU Access Services event, invited talk: Recent Developments in AI for Language Processing, invitation: Erik De Snerck, Dublin, October 18, 2019.
145. Center for Advanced Studies in Information and Communication Technologies, invited talk on Biomedical and Clinical Natural Language Processing at CLiPS, invitation: Alfonso Urena Lopez, Jaen, Spain, November 13, 2019.
146. StatUa day, invited talk: Author profiling on social media text Embedded cross-validation, invitation: Erik Fransen, Antwerp, February 7, 2020.

147. International Scientific Interdisciplinary Conference on Research and Methodology "Functional Aspects of Intercultural Communication. Translation and Interpreting Issues", invited keynote: Computational Stylometry in the age of Deep Learning: profiling authors of social media text, invitation: Natalia Erokhova, Moskou, November 20, 2020 (online).
148. META-FORUM 2020, invited talk: NLP Developments in Flanders / Belgium, invitation: Georg Rehm, December 2, 2020 (online).
149. EWI (Flemish ministry economics, science and innovation), Inspiration Session Artificial Intelligence, invited talk: Natural Language Processing, invitation: Veerle Lories, June 10, 2021 (online).
150. KNAW webinar on fake news, invited talk: Language Technology against Fake News, invitation: John Nerbonne, June 28, 2021 (online).
151. VAIA course on AI and Machine Learning in Biomedical Research, invited talk: Biomedical and Clinical Natural Language Processing, invitation: Jeroen Wynen, November 4, 2021 (online).
152. SSH-ENRIITC Industry Outreach Workshop, invited moderator, invitation: Franciska de Jong, March 11, 2022 (online).
153. ResT-UP 2, invited talk: The LiLaH project: improving hate speech detection with linguistic knowledge, invitation: Antonio Pascucci, Marseille, France, June 24, 2022 (online).
154. Symposium Dementie: wetenschap en zorg, invited talk: 'Wat generatieve taalmodellen ons leren over menselijke creativiteit', Invitation: Patrick Cras, Antwerp, June 24, 2023.
155. 36th HSN conference, invited talk: 'ChatGPT: de opkomst van de filosofische zombies', invitation: José Vandekerckhove, 17–18 November, 2023.
156. VIB seminar on Computational Biology and AI, invited talk: 'Large Language Models for Medical Science Game changers or just another tool?' and invited panel contribution, invitation: Evy Vierstraete, Eindhoven, April 25, 2024.
157. Leuven.AI 70 Years Artificial Intelligence Conference, invited keynote 'Natural Language Processing Solved?', invitation: Luc De Raedt, Leuven, September 2, 2025.

Conference and Workshop Contributions

1. Demonstration Language Technology software: Symposium Computational Linguistics, University of Antwerp, Belgium, June 29, 1984; Symposium Language Technology, University of Tilburg, The Netherlands, April, 1 1985; NIP Spring Conference, University of Nijmegen, The Netherlands, June 7, 1985.
2. Third ACL conference (European Chapter), accepted paper on 'A Tool for the automatic creation, extension and updating of lexical knowledge bases', Copenhagen, Denmark, 1–3 April, 1987.
3. Second International Conference and Exhibition on Children in the Information Age, accepted paper on 'Artificial Intelligence Tools for Grammar and Spelling Instruction' (with Fiény Pijls and Gerard Kempen), Sofia, Bulgaria, 19–23 May, 1987.
4. Fourth Esprit Conference 1987, accepted paper on 'Representation Aspects of Knowledge-based Office Systems' (with Kris van Marcke and Viviane Jonckers), Brussels, Belgium, 28–30 September, 1987.
5. Fourth International Conference on Text Processing (PROTEXT IV) 1987, accepted paper on 'Text Processors with Linguistic Knowledge' (with Gert Anbeek), Boston, USA, 20–22 October, 1987.
6. NAIC-88 (First Dutch A.I. Conference) 1988, accepted paper on 'Toepassingen van een objectgericht computermodel van de Nederlands morfologie', Amsterdam, The Netherlands, 12–13 April, 1988.
7. ORD'88 (Educational Research Conference), accepted paper on 'Een intelligent tutoring systeem voor Nederlandse werkwoordspelling' (An intelligent tutoring system for Dutch verb spelling), Leuven, Belgium, 30–31 May, 1988.
8. Twelfth International Conference on Computational Linguistics (COLING'88), accepted paper on 'GRAFON: A Grapheme-to-phoneme conversion system for Dutch', Budapest, Hungary, 22–27 August, 1988.
9. Third International Symposium on Knowledge Engineering, accepted paper on 'Learning Heuristic Diagnostic Rules in an Intelligent Tutoring System', Madrid, Spain, October 19–21, 1988.
10. IJCAI-89 Workshop on Object-Oriented Programming in AI, accepted paper on 'Object-oriented Hierarchical Lexicons', Detroit, USA, August 22, 1989.
11. Morfologiedagen 1989, paper on 'Selectieve overerving in morfologische representatie' (Selective inheritance in morphological representation), Leuven, Belgium, 21–22 September, 1989.

< 1988

1988

1989

12. International Workshop on Inheritance in Natural Language Processing, accepted paper on ‘Inheritance in Object-oriented Natural Language Processing’, Tilburg, The Netherlands, August 16–18, 1990. **1990**
13. First meeting of CLIN (Computational Linguistics in the Netherlands), paper on ‘Breeding Linguistic Rules: a Selectionist Approach to NLP’, Utrecht, The Netherlands, October 26, 1990. **1991**
14. International joint conference of the Association for Computers and the Humanities and the Association for Literary and Linguistic Computing (ACH/ALLC 91), accepted paper on ‘An Object-oriented Linguistic Toolbox’, Tempe, Arizona, March 17–21, 1991.
15. CLIN 1991, Computational Linguistics in the Netherlands, accepted paper on ‘Linguistic Pattern Matching Capabilities of Connectionist Networks’, (with Antal van den Bosch), Amsterdam, The Netherlands, CWI, November 29, 1991.
16. CLIN 1991, Computational Linguistics in the Netherlands, accepted paper on ‘Evaluation of Lexical Representation Formalisms’, with Erik-Jan van der Linden, Amsterdam, The Netherlands, CWI, November 29, 1991. **1992**
17. First SHOE Workshop on Machine Learning of Natural Language, Tilburg University, paper on ‘Genetic Search and Assimilation’, Tilburg, The Netherlands, February 28, 1992.
18. COGSYS 10 (10th Workshop of the ESSCS), accepted paper on ‘Genetic Optimization in memory-based generalization. Application to a Linguistic Pattern Matching Problem’, Groningen, The Netherlands, May 20, 1992.
19. CLIN 1992 (Third Computational Linguistics in the Netherlands meeting), accepted paper on ‘Corpus-based Methods for Grapheme-to-Phoneme Conversion in Dutch’ (with Antal van den Bosch), Tilburg, The Netherlands, October 30, 1992.
20. CLIN 1992 (Third Computational Linguistics in the Netherlands meeting), accepted paper on ‘Exploring Artificial Learning Algorithms: Learning to Stress Dutch Simplex Words’ (with van den Bosch, Durieux and Gillis), Tilburg, The Netherlands, October 30, 1992.
21. IPrA Research Forum, ‘Exploring artificial learning algorithms’ (with van den Bosch, Durieux and Gillis), Antwerp, Belgium, November 6, 1992.
22. Computational Phonology Workshop, accepted paper on ‘Exploring artificial learning algorithms’ (with van den Bosch, Durieux and Gillis), Edinburgh, UK, December, 18, 1992. **1993**
23. TIN 1993 (Linguistics Meeting), paper on ‘Exploring artificial learning algorithms in the domain of metrical phonology’ (with van den Bosch, Durieux and Gillis), Utrecht, The Netherlands, January 16, 1993.
24. ECML 1993 Workshop on Machine Learning and Text Analysis, accepted paper on ‘A Data-Driven Approach to Stress Acquisition’ (with Gillis, Durieux and van den Bosch), Vienna, Austria, April 8, 1993.
25. EACL 1993, accepted paper on ‘Data-oriented methods for grapheme-to-phoneme conversion’ (with van den Bosch), Utrecht, The Netherlands, April 21–23, 1993.
26. Meeting of the BKL (Belgische Kring Linguïsten), paper on ‘Theory-driven vs. Data-driven benaderingen van woordklemtoon: een empirische test’ (with Durieux and Gillis), Brussels, Belgium, May 8, 1993.
27. Benelearn 1993, accepted paper on ‘Machine Learning of Natural Language: An Empiricist Alternative to Nativist Theory’ (with Durieux and Gillis), Palais des Congres, Brussels, Belgium, June 1, 1993.
28. Joint International Conference of the ACH and the ALLC 1993, accepted paper on ‘Learning Linguistic Mappings: An Instance-Based Learning Approach’ (with Gillis, Durieux and van den Bosch), Georgetown University Washington, DC, USA, June 15–17, 1993.
29. Fifteenth Annual Conference of the Cognitive Science Society, accepted paper on ‘Learnability and Markedness: Dutch Stress Assignment’ (with Gillis, Durieux, and van den Bosch), Boulder, Colorado, USA, June 18–21, 1993.
30. Third Conference of the International Cognitive Linguistics Association, accepted paper on ‘Similarity-Based Acquisition of Linguistic Prototypes’ (with Gillis, Durieux, and van den Bosch), Leuven, Belgium, July 19–23, 1993.
31. Sixth International Congress for the Study of Child Language, accepted paper on ‘Analogical Modeling of Language Acquisition’ (with Gillis, Durieux, van den Bosch), Trieste, Italy, July 18–24, 1993.
32. Eurospeech 1993, accepted paper on ‘TABTALK: Reusability in data-oriented Grapheme-to-Phoneme Conversion’ (with van den Bosch), Berlin, Germany, September 21–23, 1993. **1994**
33. Sixth NET symposium, accepted paper on ‘Do we really need parameters? The case of stress acquisition’ (with Gillis and Durieux), Nijmegen, Max Planck Institute, February, 11, 1994.
34. Belgian-Dutch conference on Machine Learning BENELEARN 1994, accepted paper on ‘Skousen’s Analogical Modeling Algorithm’, (with Gillis, Durieux), Rotterdam, June 10, 1994.

35. First Lisbon Meeting on Child Language, accepted paper on ‘Do we really need parameters? The case of stress acquisition’ (with Gillis and Durieux), Lisbon, Portugal, June 14–18, 1994.
36. Colloque International Communication Prelinguistique et linguistique chez l’enfant, accepted paper on ‘Modeling the Nature-Nurture Debate: An Experiment’ (with Gillis and Durieux), Paris, France, June 20–22, 1994.
37. Sixteenth Annual Conference of the Cognitive Science Society, accepted paper on ‘Are Children Lazy Learners? A comparison of Natural and Machine Learning of stress’ (with Gillis and Durieux), Georgia Institute of Technology, Atlanta, USA, August 13–16, 1994.
38. International Conference on New Methods in Language Processing (NeMLaP), accepted paper on ‘Skousen’s Analogical Modeling Algorithm: A Comparison with Lazy Learning’ (with Gillis and Durieux), UMIST, Manchester, UK, September 14–16, 1994.
39. Second International Conference on Quantitative Linguistics (QUALICO), accepted paper on ‘Analysing Orthographic Depth of Different Languages using Data-Oriented Algorithms’ (with van den Bosch, De Gelder and Content), Moscow, Russia, September 20-24, 1994.
40. Computational Linguistics in the Netherlands (CLIN’94), accepted paper on ‘Linguistics as Data Mining’, Enschede, The Netherlands, November 23, 1994.
41. First International Workshop on the Acquisition of Pre- and Protomorphology, University of Vienna, accepted paper on ‘Lazy Learning: Does Rule-like Behavior Require Rules?’ (with Gillis and Durieux), Vienna, Austria, February 24–28, 1995.
42. First International Workshop on the Acquisition of Pre- and Protomorphology, University of Vienna, accepted paper on ‘The acquisition of Dutch diminutives: Do learnability results predict the order of acquisition?’ (with Gillis and Berck), Vienna, Austria, February 24–28, 1995.
43. GALA (Groningen Assembly on Language Acquisition), accepted paper ‘Testing a computer simulation of a parametric model’ (with Gillis and Durieux), Groningen, September 8, 1995.
44. Computational Linguistics in the Netherlands (CLIN’95), accepted paper on ‘Memory-Based Part of Speech Tagging’ (with Berck, Gillis, Zavrel). Antwerp, Belgium, December 1, 1995.
45. Computational Linguistics in the Netherlands (CLIN’95), accepted paper on ‘Machine Learning of Morpheme Boundary detection’ (with van den Bosch, Weijters). Antwerp, Belgium, December 1, 1995.
46. Inductive Logic Programming project ILP-2 End-User Meeting, paper on ‘Machine Learning of Natural Language.’, Bonn, Germany, March 27, 1996.
47. VIIth International Congress for the Study of Child Language, accepted paper on ‘On phonological bootstrapping’ (with Gillis and Durieux), Istanbul, Turkey, July 16, 1996.
48. Fourth Workshop on Very Large Corpora, accepted paper, ‘MBT: A Memory-Based Part of Speech Tagger Generator’ (with Zavrel, Berck, Gillis), Copenhagen, Denmark, August 4, 1996.
49. Sixteenth International Conference on Computational Linguistics, accepted paper ‘Unsupervised Discovery of Phonological Categories through Supervised Learning of Morphological Rules’ (with Berck, Gillis), Copenhagen, Denmark, August 5–9, 1996.
50. Second International Conference on new Methods in Language Processing, accepted paper, ‘Morphological Analysis as Classification: an Inductive-Learning Approach’ (with van den Bosch, Weijters), Ankara, Turkey, September 16–18, 1996.
51. TROPICS, Workshop on early language perception and production in normal and impaired children: How to get into language: approaches to bootstrapping in early language development, accepted paper on ‘Phonological Bootstrapping: Learning Grammatical Classes from Phonological Cues’ (with Gillis, Durieux, Kempen, Wijnen), Berlin, Germany, September 26–29, 1996.
52. Seventh CLIN workshop, accepted paper on ‘Memory-Based Prepositional Phrase Attachment’ (with Zavrel, Berck), IPO, Eindhoven, The Netherlands, November 15, 1996.
53. Interdisciplinary Research Conference Informatiewetenschap 1996, accepted paper on ‘Part-of-speech tagging with MBT, a memory-based tagger-generator’ (with Zavrel, Berck), TUDelft, Delft, The Netherlands, December 13, 1996.
54. GALA’97, accepted poster on ‘Learning grammatical classes from phonological cues: an experiment’ (with Gillis, Durieux, Kempen), University of Edinburgh, Edinburgh, UK, April 4–6, 1997.
55. European Conference on Machine Learning, ECML’97, accepted poster on ‘A Feature-Relevance Heuristic for Indexing and Compressing Large Case Bases’ (with van den Bosch, Zavrel), Prague, April 24, 1997.

1995

1996

1997

56. Workshop on Empirical Learning of Natural Language Processing Tasks, accepted paper on ‘Memory-based Learning: Using Similarity for Smoothing’ (with Zavrel), Prague, April 26, 1997.
57. ACL-EACL Conference, accepted paper on ‘Memory-based Learning: Using Similarity for Smoothing’ (with Zavrel), Madrid, July 9, 1997.
58. CONLL’97 Workshop, accepted paper on ‘Resolving PP Attachment Ambiguities with Memory-Based Learning’ (with Zavrel, Veenstra), Madrid, July 11, 1997.
59. Cognitive Science Conference 1997, accepted poster on ‘Toward Memory-Based Syntactic Processing’, (with Veenstra, Zavrel), Stanford, August 9, 1997.
60. First Conference on Computational Psycholinguistics (CPL’97), accepted paper on ‘Toward Memory-Based Syntactic Processing’ (with Veenstra, Zavrel), Berkeley, August 12, 1997.
61. Benelearn 1997, accepted paper on ‘When Small Disjuncts Abound, Try Lazy Learning: A Case Study’ (with Van den Bosch, Weijters, Van den Herik), Tilburg, October 21, 1997.
62. Round Table on Algorithms for Memory-Based Language Processing, paper on ‘Abstraction is Harmful?’, Corsendonk, Oud-Turnhout, December 13, 1997.
63. NeMLaP-3 and CoNLL’98, accepted paper on ‘Do not forget: Full memory in memory-based learning of word pronunciation’ (with van den Bosch), Sydney, Australia, January 17, 1998.
64. NeMLaP-3 and CoNLL’98, accepted paper on ‘Modularity in inductively-learned word pronunciation systems’ (with van den Bosch, Weijters), Sydney, Australia, January 17, 1998.
65. ELSNET in Wonderland workshop, accepted paper on ‘Rapid development of NLP modules with memory-based learning’ (with van den Bosch, Zavrel, Buchholz, Busser), Soesterberg, March 25–27, 1998.
66. LREC workshop on adapting lexical and corpus resources to sublanguages and applications, accepted paper on ‘Toward Inductive Lexicons: a Case Study’, Granada, May 26, 1998.
67. COLING/ACL conference, accepted paper on ‘Improving data driven wordclass tagging by system combination’, Montreal, Canada, August 10–14, 1998.
68. Ninth CLIN meeting, accepted presentation on ‘On the arbitrariness of lexical categories’ (with Gillis, Durieux), Leuven, Belgium, December 11, 1998.
69. Ninth CLIN meeting, accepted presentation on ‘Memory-Based word sense disambiguation’ (with van den Bosch, Buchholz, Veenstra, Zavrel), Leuven, Belgium, December 11, 1998.
 Ninth CLIN meeting, accepted presentation on ‘A numeric transform for memory-based language processing’ (with Gemis), Leuven, Belgium, December 11, 1998.
 Ninth CLIN meeting, accepted presentation on ‘Comparing maximal entropy tagging and memory-based tagging’ (with De Pauw, De Raedt, Dehaspe), Leuven, Belgium, December 11, 1998.
70. Workshop on Adaptive NLP platforms and systems: problems, methodological issues, and applications, paper on ‘memory-based language engineering: making lexicons adaptive’, Rome. Italy, January 23, 1999.
71. Computational Natural Language Learning (CoNLL-99), accepted paper on ‘Memory-Based Shallow Parsing’, (with Veenstra, Buchholz), Bergen, Norway, June 12, 1999.
72. Joint Conference on Empirical Methods in NLP and Very Large Corpora, accepted paper on ‘Cascaded Grammatical Relation Assignment’, (with Veenstra, Buchholz), College Park, Maryland, June 21–22, 1999.
73. 37th annual meeting of the ACL, accepted paper on ‘Memory-based morphological analysis’, (with van den Bosch), College Park, Maryland, June 23–26, 1999.
74. 6th European conference on speech communication and technology, accepted poster on ‘Machine learning of word pronunciation: the case against abstraction’, (with van den Bosch, Busser), Budapest, Hungary, September 5–9, 1999.
75. 10th Computational Linguistics in the Netherlands meeting, accepted paper on ‘Bootstrapping morphosyntactic annotation for the corpus of spoken Dutch’ (with Van Eynde and Zavrel), Utrecht, December 10, 1999.
76. 10th Computational Linguistics in the Netherlands meeting, accepted paper on ‘A machine learning approach to phonemic corpus annotation’ (with Hoste and Gillis), Utrecht, December 10, 1999.
77. Morfologiedagen 1999. Accepted paper on ‘Wanneer drinkt men t? Een psycholinguïstische en computationele benadering van dt-fouten’ (with Frisson, Daems, Gillis, Durieux, Taelman), Antwerpen, Belgium, December 15–16, 1999.
78. Evolang (Evolution of Language) Conference, accepted poster on ‘Grael, Grammar Adaptation, Evolution and Learning’ (with De Pauw), Paris, France, April 3–6, 2000.

1998

1999

2000

79. Second International Conference on Language Resources and Evaluation, accepted paper on ‘Bootstrapping a Tagged Corpus through Combination of Existing Heterogeneous Taggers’ (with Zavrel), Athens, Greece, 31 May–2 June, 2000.
80. Second International Conference on Language Resources and Evaluation, accepted paper on ‘Part of Speech Tagging and Lemmatization for the Spoken Dutch Corpus’ (with Van Eynde and Zavrel), Athens, Greece, 31 May–2 June, 2000.
81. 17th International Conference on Machine Learning, accepted paper on ‘Meta-Learning for Phonemic Annotation of Corpora’ (with Hoste, Tjong Kim Sang, Gillis), Stanford, USA, 29 June–2 July, 2000.
82. 18th International Conference on Computational Linguistics, accepted paper on ‘A Rule Induction Approach to Modeling Regional Pronunciation Variation’ (with Hoste and Gillis), Saarbrücken, Germany, 31 July–4 August, 2000.
83. 18th International Conference on Computational Linguistics, accepted paper on ‘Applying system combination to base noun phrase identification’ (with Sang, Déjean, Koeling, Krymolowski, Punyakanok, Roth), Saarbrücken, Germany, 31 July–4 August, 2000.
84. Fourth Conference on Computational Natural Language Learning, accepted paper on ‘The role of algorithm bias vs. information source in learning algorithms for morphosyntactic disambiguation’ (with De Pauw), Lisbon, Portugal, 13–14 September, 2000.
85. Fourth Conference on Computational Natural Language Learning, accepted paper on ‘Genetic algorithms for feature relevance assignment in memory-based language processing’ (with Kool, Zavrel), Lisbon, Portugal, 13–14 September, 2000.
86. AMLaP-2000, accepted poster on ‘The modal shift from root infinitives to finite verbs in children’s language. A computer simulation study’ (with Kempen & Gillis), Leiden, The Netherlands, September 20–23, 2000.
87. AMLaP-2000, accepted poster on ‘Testing dual route models for morphology: german plurals’, Leiden, The Netherlands, September 20–23, 2000.
88. BNAIC’00, accepted paper on ‘Meta-learning for phonemic annotation of corpora’ (with Hoste, Gillis), Tilburg, The Netherlands, November 1–2, 2000.
89. CLIN 2000, accepted paper on ‘GRAEL: a distributed, evolutionary computing approach to grammar optimization’ (with De Pauw), Tilburg, The Netherlands, November 3, 2000.
90. CLIN 2000, accepted paper on ‘A memory-based approach to connectionist shift-reduce parsing’ (with Veenstra), Tilburg, The Netherlands, 3 November, 2000.
91. CLIN 2000, accepted paper on ‘Comparing bagging and boosting for natural language processing tasks: a typicality approach’ (with Hoste), Tilburg, The Netherlands, 3 November, 2000.
92. Bene-Evolang 2000, accepted paper on ‘Data-driven GRAEL: a distributed, evolutionary computing approach to grammar induction and optimization’ (with De Pauw), Brussels, Belgium, 17 November, 2000.
93. TWLT 18 and CEvoLE 2, Internalising Knowledge, accepted paper on ‘Diverse classifiers for NLP disambiguation tasks. Comparison, Optimization, Combination, and Evolution’ (with Zavrel, Degroev, Kool, Jokinen), Ieper, Belgium, November 22–24, 2000.
94. Benelearn 2000, accepted paper on ‘Simultaneous feature selection and parameter optimization for memory-based natural language processing’ (with Kool, Zavrel), Tilburg, The Netherlands, 13 December, 2000.
95. Benelearn 2000, accepted paper on ‘Comparing bagging and boosting for natural language processing tasks: a typicality approach’ (with Hoste), Tilburg, The Netherlands, 13 December, 2000.
96. Symposium on Psycholinguistics approaches to implicit and explicit phonological knowledge, paper on ‘Stress, rules and lexicon: a psycholinguistic approach’ (with Durieux, Frisson, Gillis, Sandra, Taelman), Antwerp, March 30, 2001.
97. COCOSDA Workshop 2001, accepted contribution on ‘Strengthening the Dutch Language and Speech Technology Infrastructure’ (with Cucchiaroni and Strik), Aalborg, September 2, 2001.
98. RANLP 2001, accepted paper on ‘SHAPAQA: Shallow Parsing for Question Answering on the World Wide Web’ (with Buchholz), Tsigov Chark, 5–7, September, 2001.
99. Amlap-2001, accepted paper ‘Stress Assignment in Dutch: Memory-Based, Rule-Based, or Both?’ (with Durieux, Frisson, Taelman, Martens, Gillis, Sandra), Saarbrücken, September 20–22, 2001.
100. CLIN 2001, accepted paper on ‘Phoneme-to-grapheme conversion for out-of-vocabulary items in speech recognition’ (with Decadt, Duchateau, Wambacq), Enschede, November 30, 2001.
101. CLIN 2001, accepted paper on ‘Stress assignment in Dutch: dual and single mechanism models’ (with Durieux, Martens, Gillis, Sandra), Enschede, November 30, 2001.

2001

102. CLIN 2001, accepted paper on ‘Memory-based all-words word-sense disambiguation for Dutch and English’ (with Hoste, van den Bosch, Hendrickx), Enschede, November 30, 2001.
103. CLIN 2001, accepted paper on ‘Interaction between named-entity recognition and base NP chunking for Dutch’ (with Hoste, De Meulder), Enschede, November 30, 2001.
104. Dag van de Fonetiek, paper on ‘Where do syllables come from?’ (with Martens, Gillis, Taelman), Utrecht, December 20, 2001.
105. NET-symposium 2002, ‘De oorsprong van syllaben’ (with Martens, Gillis, Taelman), Nijmegen, The Netherlands, March 15, 2002.
106. LREC 2002, accepted paper on ‘Evaluation of Machine Learning Methods for Natural Language Processing Tasks’ (with Hoste), Las Palmas de Gran Canaria, May 29, 2002.
107. LREC 2002, accepted poster on ‘A Human Language Technologies Platform for the Dutch Language’ (with Binnenpoorte, De Vriend, Sturm, Strik, and Cucchiaroni), Las Palmas de Gran Canaria, May 31, 2002.
108. ATILA Meeting 2002, paper on ‘Limitations of comparative machine learning methodology’ (with Hoste), Tilburg, The Netherlands, June 19, 2002.
109. ACL 2002 Workshop on Word Sense Disambiguation: Recent Successes and Future Directions, accepted paper on ‘Dutch Word Sense Disambiguation: Optimizing the Localness of Context’ (with Hendrickx, Hoste, van den Bosch), Philadelphia, USA, July 11, 2002.
110. ACL 2002 Workshop on Word Sense Disambiguation: Recent Successes and Future Directions, accepted paper on ‘Evaluating the results of a memory-based word-expert approach to unrestricted WSD’ (with Hendrickx, Hoste, van den Bosch), Philadelphia, USA, July 11, 2002.
111. CogSci 2002, accepted paper on ‘Where do syllables come from?’ (with Martens, Gillis, Taelman), George Mason University, Fairfax, Virginia, August 8–10, 2002.
112. DSP Valley’s Annual Research & Technology Symposium (DARTS 2002), paper on ‘Automatic transcription and normalization of speech’ (with Duchateau, Wambacq, Vandeghinste, Van Eynde, Depoortere, Martens, Tjong Kim Sang), Leuven, Belgium, October 8, 2002.
113. 13th Meeting of Computational Linguistics in the Netherlands, accepted paper ‘Limitations of comparative machine learning methodology for language technology’ (with Hoste), Groningen, The Netherlands, November 29, 2002.
114. 13th Meeting of Computational Linguistics in the Netherlands, accepted paper ‘Predicting pitch accents and phrase breaks from text’ (with Marsi, Reynaert, Hoste, van den Bosch), Groningen, The Netherlands, November 29, 2002.
115. 13th Meeting of Computational Linguistics in the Netherlands, accepted paper ‘On the relevance of performing shallow parsing before clustering’ (with Reinberger and Decadt), Groningen, The Netherlands, November 29, 2002.
116. Third International Conference on Intelligent Text Processing and Computational Linguistics (CICLING-03), accepted paper on ‘Is shallow parsing useful for unsupervised learning of semantic clusters’ (with Reinberger), Mexico City, Mexico, February 16–22, 2003.
117. International Conference on Ontologies, Databases and Applications of SEMantics (ODBASE-03), accepted paper on ‘Mining for lexons: applying unsupervised learning methods to create ontology bases’ (with Reinberger, Spyns, Meersman), Catania, Sicily (Italy), 3–7 November 2003.
118. Fourteenth Meeting of Computational Linguistics in the Netherlands, accepted presentation on ‘Verb Classification’ (with Decadt), Antwerp, Belgium, December 19, 2003.
119. Fourteenth Meeting of Computational Linguistics in the Netherlands, accepted presentation on ‘Two techniques for morphological segmentation in Dutch’ (with Laureys, De Pauw, Van hamme), Antwerp, Belgium, December 19, 2003.
120. Fourteenth Meeting of Computational Linguistics in the Netherlands, accepted presentation on ‘Evaluation of statistical measures for the selection of semantic dependencies’ (with Reinberger), Antwerp, Belgium, December 19, 2003.
121. Fourteenth Meeting of Computational Linguistics in the Netherlands, accepted abstract on ‘Adaptation of the CELEX Dutch Morphological Database in the FLAVOR-project’ (with De Pauw, Laureys, Van Compernelle), Antwerp, Belgium, December 19, 2003.
122. Conference on Natural Language Learning (CoNLL-04), accepted paper on ‘Memory-based semantic role labeling: Optimizing features, algorithm, and output’ (with van den Bosch, Canisius, Hendrickx, Tjong Kim Sang), Boston, USA, May 6–7, 2004.

2002

2003

2004

123. 4th International Conference on Language Resources and Evaluation (LREC 2004), accepted paper on ‘Sentence Simplification for Subtitling in Dutch and English’ (with Höthker, Tjong Kim Sang), Lisbon, Portugal, May 26–28, 2004.
124. 4th International Conference on Language Resources and Evaluation (LREC 2004), accepted paper on ‘Multimodal Multilingual Resources in the Subtitling Process’ (with Piperidis, Demiros, Prokopidis, Vanroose, Höthker, Daelemans, Sklavounou, Konstantinou, Karavidas), Lisbon, Portugal, May 26–28, 2004.
125. 4th International Conference on Language Resources and Evaluation (LREC 2004), accepted poster on ‘Unsupervised Text Mining for Ontology Extraction: An Evaluation of Statistical Measures’ (with Reinberger), Lisbon, Portugal, May 26–28, 2004.
126. 4th International Conference on Language Resources and Evaluation (LREC 2004), accepted poster on ‘Unsupervised Text Mining for Ontology Extraction: An Evaluation of Statistical Measures’ (with Reinberger), Lisbon, Portugal, May 26–28, 2004.
127. 4th International Conference on Language Resources and Evaluation (LREC 2004), accepted poster on ‘Evaluation and adaptation of the Celex Dutch morphological database’ (with Laureys, De Pauw, Van Hamme, Van Compennolle), Lisbon, Portugal, May 26–28, 2004.
128. LREC Workshop Beyond Named Entity Recognition, Semantic Labelling for NLP Tasks, accepted paper on ‘Verb Classification - Machine Learning Experiments in Classifying Verbs into Semantic Classes’, (with Decadt), Lisbon, Portugal, May 25, 2004.
129. Workshop on Current Themes in Computational Phonology and Morphology, accepted paper on ‘A Comparison of Two Different Approaches to Morphological Analysis of Dutch’ (with De Pauw, Laureys, Van hamme), Barcelona, Spain, July 26, 2004.
130. Third International Workshop on the Evaluation of Systems for the Semantic Analysis of Text (Senseval-3), accepted paper on ‘GAMBL Genetic Algorithm Optimization of Memory-Based WSD’ (with Decadt, Hoste, van den Bosch), Barcelona, Spain, July 26, 2004.
131. International Conference on Ontologies, Databases, and Applications of Semantics (ODBase’04), accepted paper on ‘Automatic Initiation of an Ontology’, (with Reinberger, Spyns, Pretorius), Larnaca, Cyprus, October 25–29, 2004.
132. Languages and The Media, 5th International Conference and Exhibition on Language Transfer in Audiovisual Media, invited contribution on ‘Automatic sentence compression in the MUSA project’ (with Höthker), Berlin, Germany, November 3–5, 2004.
133. Computational Linguistics in the Netherlands 2004, accepted presentation on ‘Combining shallow text analysis and machine learning techniques for authorship attribution’ (with Luyckx), Leiden, The Netherlands, December 17, 2004.
134. Computational Linguistics in the Netherlands 2004, accepted poster presentation on ‘Memory-Based Biological Concept Tagging’ (with Meyhi), Leiden, The Netherlands, December 17, 2004.
135. Computational Linguistics in the Netherlands 2004, accepted poster presentation on ‘Automatic ontology extraction for the building of a virtual environment’ (with Meyhi), Leiden, The Netherlands, December 17, 2004.
136. Workshop on Machine Learning for Information Extraction, presentation on ‘Machine learning of shallow parsing for information extraction from text’, Antwerp, Hof Van Liere, March 10, 2005.
137. Ninth Conference on Natural Language Learning (CoNLL 2005), accepted paper on ‘Improving sequence segmentation learning by predicting trigrams’ (with Van den Bosch), Ann Arbor, MI, USA, June 29–30, 2005.
138. ICL-2005 workshop on learning language in logic, accepted paper on ‘Rule Meta-learning for Trigram-Based Sequence Processing’ (with Canisius, van den Bosch), Bonn, Germany, August 7, 2005.
139. ICML-2005 workshop on metalearning, accepted paper on ‘Comparing Learning Approaches to Coreference Resolution. There is more to it than bias’ (with Hoste), Bonn, Germany, August 11, 2005.
140. CALCUA symposium, contribution on ‘Extracting Knowledge from Text’, Antwerpen, October 20, 2005.
141. Computational Linguistics in the Netherlands 2005, accepted presentation on ‘Lexical representation in supervised machine learning’ (with Decadt), Amsterdam, The Netherlands, December 16, 2005.
142. EACL 2006 Workshop on Learning Structured Information in Natural Language Applications, accepted paper on ‘Constraint Satisfaction Inference: Non-probabilistic global inference for sequence labelling’, Trento, Italy, April 3, 2006.
143. Benelearn 2006, accepted paper on ‘Comparing Learning Approaches to Language Learning. There is More to it Than Bias’ (with Hoste), Ghent, Belgium, May 12, 2006.

2005

2006

144. LREC 2006 Workshop Toward Computational Models of Literary Analysis, accepted paper on ‘Stylogenetics: Clustering-Based Stylistic Analysis of Literary Corpora’ (with Luyckx, Vanhoutte), Genoa, Italy, May 22, 2006.
145. International Conference on Language Resources and Evaluation (LREC 2006), accepted paper on ‘A mixed word/morphological approach for extending CELEX for high coverage on contemporary large corpora’ (with De Pauw, Vaneyghen, Van Compernelle), Genoa, Italy, May 26, 2006.
146. Conference on Natural Language Learning (CoNLL X). Accepted paper (with Glickman, Dagan, Keller, Bengio) on ‘Investigating lexical substitution scoring for subtitle generation’, New York, USA, June 8, 2006.
147. BNAIC Conference, accepted paper on ‘Discrete versus probabilistic sequence classifiers for domain-specific entity chunking’ (with Canisius, Van den Bosch), Namur, Belgium, October 6, 2006.
148. CLIN 2006, accepted paper on ‘An efficient memory-based morphosyntactic tagger and parser for Dutch’ (with Busser, Van den Bosch, Canisius), Leuven, Belgium, January 12, 2007.
149. CLIN 2006, accepted paper on ‘The automatic resolution of ”hetin a machine learning approach to Dutch coreference resolution’, (with Hoste, Hendrickx), Leuven, Belgium, January 12, 2007.
150. CLIN 2006, accepted paper on ‘Evaluating hybrid versus data-driven coreference resolution’ (with Hoste, Hendrickx), Leuven, Belgium, January 12, 2007.
151. 6th Discourse Anaphora and Anaphor Resolution Colloquium, accepted paper on ‘Evaluating hybrid versus data-driven coreference resolution’ (with Hendrickx, Hoste), Lagos, Portugal, March 30, 2007.
152. Workshop Machine Learning for Natural Language Processing, accepted poster presentation on ‘Adding Semantic Information: Unsupervised Clusters for Coreference Resolution’ (with Hendrickx), Amsterdam, The Netherlands, May 16, 2007.
153. International Conference TSD 2007, accepted paper on ‘Disambiguation of the neuter pronoun and its effect on pronominal coreference resolution’ (with Hendrickx, Hoste), Plzen, Czech Republic, September 6, 2007.
154. CLIN 2007, accepted paper on ‘COREA Wrap up: the corpus and evaluation’ (with Iris Hendrickx, Gosse Bouma, Frederik Coppens, Véronique Hoste, Anne-Marie Mineur, Joeri Van Der Vloet, Jean-Luc Verschelde), Nijmegen, The Netherlands, December 7, 2007.
155. CLIN 2007, accepted paper on ‘Predicting Author Personality from Text’ (with Luyckx), Nijmegen, The Netherlands, December 7, 2007.
156. CICLing-2008 Conference, accepted paper on ‘Semantic and syntactic features for anaphora resolution for Dutch’ (with Hendrickx, Hoste), Haifa, Israel, 17–23 February, 2008.
157. Workshop on Parsing and Semantic Role Labeling, presentation on ‘Domain Adaptation in Memory-Based Shallow Parsing’, Tilburg, February 26, 2008.
158. Sixth International Conference on Language Resources and Evaluation (LREC 2008), accepted paper on ‘Personae: A Corpus for Author and Personality Prediction from Text’ (with Luyckx), Marrakech, May 28, 2008.
159. Sixth International Conference on Language Resources and Evaluation (LREC 2008), accepted paper on ‘Coreference resolution for extracting answers for Dutch’ (with Hendrickx, Bouma, Coppens, Hoste, Kloosterman, Mineur, van der Vloet, Verschelde), Marrakech, May 28, 2008.
160. 5th International Natural Language Generation Conference (INLG 2008), accepted paper on ‘CNTS: memory-based learning of generating repeated references’ (with Hendrickx, Luyckx, Morante, Van Asch), Salt Fork, Ohio, USA, June 13, 2008.
161. Digital Humanities 2008, accepted paper on ‘Using Syntactic Features to Predict Author Personality from Text’ (with Luyckx), Oulu, Finland, June 26, 2008.
162. 12th CoNLL, accepted paper on ‘A combined memory-based semantic role labeler of English’ (with Morante, Van Asch), Manchester, UK, August 16–17, 2008.
163. COLING 2008, accepted paper on ‘Authorship Attribution and Verification with Many Authors and Limited Data’ (with Luyckx), Manchester, UK, August 19, 2008.
164. EMNLP 2008 Conference, accepted paper on ‘Learning the Scope of Negation in Biomedical Texts’ (with Morante, Liekens), Honolulu, 25–27 October, 2008.
165. 20th Belgian-Netherlands Conference on Artificial Intelligence (BNAIC 2008), accepted paper on ‘Authorship Attribution and Verification with Many Authors and Limited Data’ (with Luyckx), Enschede, The Netherlands, October 31, 2008.

2007

2008

166. Taal in Bedrijf, presentation on ‘My Word Coach: taaltechnologie voor een Nintendospel’ (with Vervloesem, Van den Bosch), Brussel, November 19, 2008.
167. 19th Computational Linguistics in the Netherlands, accepted contribution on ‘Extending a Shallow Parser with PP-attachment and a comparison with full statistical parsing’ (with Van Asch), Groningen, January 22, 2009.
168. 19th Computational Linguistics in the Netherlands, accepted contribution on ‘Aligning complex translational correspondences via bootstrapping’ (with Macken), Groningen, January 22, 2009.
169. 19th Computational Linguistics in the Netherlands, accepted contribution on ‘TACTiCS: a Tool for Analyzing and Categorizing Texts using Characteristics of Style’ (with Luyckx), Groningen, January 22, 2009.
170. 22nd annual CUNY conference on human sentence processing (CUNY 2009), accepted poster on ‘An exemplar-based approach to sentence comprehension’ (with Vandekerckhove, Sandra), March 26–28, Davis, USA, 2009.
171. EACL 2009, accepted paper on ‘A robust and extensible exemplar-based model of thematic fit’ (with Vandekerckhove, Sandra), Athens, Greece, April 2, 2009.
172. 12th European workshop on Natural Language Generation, accepted paper on ‘Is sentence compression an NLG task?’ (with Marsi, Krahmer, Hendrickx), Athens, Greece, April 2, 2009.
173. Psycholinguistics in Flanders 2009, contribution on ‘An exemplar-based approach to sentence comprehension’ (with Vandekerckhove, Sandra), Antwerpen, May 18–19, 2009.
174. Workshop on BioNLP, accepted paper on ‘A memory-based learning approach to event extraction in biomedical texts’ (with Morante and Van Asch), Boulder, Colorado, June 4–5, 2009.
175. CoNLL 2009, accepted paper on ‘A metalearning approach to processing the scope of negation’ (with Morante), Boulder, Colorado, June 4–5, 2009.
176. BioNLP workshop, accepted paper on ‘Learning the scope of hedge cues in biomedical texts’ (with Morante), Boulder, Colorado, June 4–5, 2009.
177. Workshop on language generation and summarization, accepted paper on ‘Reducing redundancy in multi-document summarization using lexical semantic similarity’ (with Hendrickx, Marsi, Krahmer), Singapore, August 6, 2009.
178. RANLP conference accepted paper on ‘Prepositional phrase attachment in shallow parsing’ (with Van Asch), Borovec, Bulgaria, September 15, 2009.
179. RANLP conference accepted paper on ‘Prototype-based active learning for lemmatization.’ (with Groenewald, Van Huyssteen), Borovec, Bulgaria, September 15, 2009.
180. BioTM 2010 Workshop on Advances in Bio Text Mining, accepted poster on ‘Hybrid Shallow Parsing Based Information Extraction for Glycosylation Curation’ (with Véronique Hoste, Violaine Pillet, Anne-Lise Veuthey), May 10–11, 2010, Ghent, Belgium.
181. 20th Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘Memory-based approaches to event extraction from biomedical texts’ (with Morante and Van Asch), Utrecht, February 5th, 2010.
182. 20th Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘A Chunk-Driven Bootstrapping Approach to Extracting Translation Patterns’ (with Macken), Utrecht, February 5th, 2010.
183. 20th Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘Weigh your words: memory-based lemma retrieval for Middle Dutch literary texts’ (with Kestemont and De Pauw), Utrecht, February 5th, 2010.
184. 20th Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘Processing the scope of negation and hedge cues in biomedical texts: a comparative study’ (with Morante), Utrecht, February 5th, 2010.
185. 20th Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘Modeling normal and impaired knowledge of semantic constraints on adjective order without explicit constraints’ (with Vandekerckhove and Sandra), Utrecht, February 5th, 2010.
186. 20th Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘Emotion Classification in a Serious Game for Training Communication Skills’ (with Vaassen), Utrecht, February 5th, 2010.
187. CICLing 2010, accepted paper on ‘A Chunk-Driven Bootstrapping Approach to Extracting Translation Patterns’ (with Macken), Iasi, Romania, March 25, 2010.
188. Benelearn 2010. Accepted presentation on ‘Space traveling: Assessing the ‘soundness’ of class labels in memory-based learning and the case of Middle Dutch spelling variation’ (with Kestemont, De Pauw), Leuven, Belgium, May 28, 2010.
189. CoNLL 2010, accepted paper on ‘Memory-based resolution of in-sentence scopes of hedge cues’ (with Morante, Van Asch), Uppsala, Sweden, July 15, 2010.

190. ACL Workshop on Domain Adaptation for Natural Language Processing (DANLP), accepted paper on ‘Using Domain Similarity for Performance Estimation’ (with Van Asch), Uppsala, Sweden, July 15, 2010.
191. 4th Symposium on Semantic Mining in Biomedicine (SMBM), accepted paper on ‘Towards improving the precision of a relation extraction system by processing negation and speculation’ (with Van Asch, Morante), Hinxton, UK, October 25, 2010.
192. 4th Symposium on Semantic Mining in Biomedicine (SMBM), accepted paper on ‘Assessment of NER solutions against the first and second CALBC Silver Standard Corpus’ (with Van Asch, Morante and others), Hinxton, UK, October 26, 2010.
193. Intelligent Machines, poster on ‘BIOGRAPHTM: Large scale biomedical relation extraction from unstructured data’ (with Van Asch, Morante), Nijmegen, The Netherlands, November 17, 2010.
194. International Conference on Computational Semantics (IWCS 2011) accepted poster on ‘Corpus-based approaches to processing the scope of negation cues: an evaluation of the state of the art’ (with Morante, Schrauwen), Oxford, UK, January, 2011.
195. 21st Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘Age and Gender Prediction on Netlog Data’ (with Peersman and Van Vaerenbergh), Ghent, February 11th, 2011.
196. 21st Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘Machine Learning Approaches to Sentiment Analysis Using the Dutch Netlog Corpus’ (with Schrauwen), Ghent, February 11th, 2011.
197. 21st Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘Without a doubt no uncomplicated task: Negation cues and their scope’ (with Morante and Schrauwen), Ghent, February 11th, 2011.
198. 21st Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘Combined Qualitative and Quantitative Error Analysis in Multi-Topic Authorship Attribution’ (with Luyckx), Ghent, February 11th, 2011.
199. 21st Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘Robust Rhymes? The Stability of Authorial Style in Medieval Narratives’ (with Kestemont and Sandra), Ghent, February 11th, 2011.
200. 9th European event of Evolutionary Music, Sound an Art (EvoMusArt2011), accepted paper on ‘Generative Art Inspired by Nature, Using NodeBox’ (with De Smedt, Lechat), Torino, Italy, April 28, 2011.
201. BKL Language Day, talk on ‘Impaired knowledge of adjective order constraints as overeager abstraction’ (with Vandekerckhove, Sandra), Antwerp, May 7, 2011.
202. The 20th Annual Belgian-Dutch Conference on Machine Learning, paper on ‘Using Domain Similarity for Performance Estimation’ (with Van Asch), The Hague, Netherlands Forsensic Institute, May 20, 2011.
203. 2nd Workshop on Computational Approaches to Subjectivity and Sentiment Analysis (WASSA), accepted paper on ‘Automatic emotion classification for interpersonal communication’ (with Vaassen), Portland, Oregon, June 24, 2011.
204. 10th Psycholinguistics in Flanders workshop (PIF2011), accepted paper on ‘Impaired knowledge of adjective order constraints as overeager abstraction’ (with Vandekerckhove, Sandra), Antwerp, June 25, 2011.
205. Inductive Logic Programming 2011, accepted paper on ‘Kernel-based Logical and Relational Learning with kLog for Hedge Cue Detection’ (with Verbeke, Frasconi, Van Asch, Morante, De Raedt), Windsor, UK, August, 3, 2011.
206. Question Answering For Machine Reading Evaluation (QA4MRE) at CLEF 2011, paper on ‘Annotating modality and negation for a machine reading evaluation.’ (with Morante). Amsterdam, September 21, 2011.
207. 4th PAN lab (Uncovering Plagiarism, Authorship, and Social Software Misuse) (collocated with CLEF 2011), accepted paper on ‘Intrinsic Plagiarism Detection Using Character Trigram Distance Scores’ (with Luyckx, Kestemont), Amsterdam, September 22, 2011.
208. Serious Games: The Challenge, accepted paper on ‘deLearyous: An Interactive Application for Interpersonal Communication Training’ (with Vaassen and others), Ghent, Belgium, October 21, 2011.
209. 3rd International Workshop on Search and Mining User-generated Contents (SMUC 2011) accepted paper on ‘Predicting Age and Gender in Online Social Networks’ (with Peersman, Van Vaerenbergh), Glasgow, UK, October 28, 2011.
210. Twenty-Second Annual Symposium of the Pattern Recognition Association of South Africa, accepted paper on ‘Automatic Genre Classification for Resource Scarce Languages’ (with Snyman, van Huyssteen), Johannesburg, South Africa, November 22, 2011.
211. IEEE Data Mining Workshops (ICDMW), demo paper on ‘BioGraph: Knowledge Discovery and Exploration in the Biomedical Domain’ (with Liekens and others), Vancouver, Canada, December 11, 2011.

2011

212. Dag van de Fonetiek, presentation on ‘ALADIN: de ontwikkeling van zelflerende, spraakgestuurde bedieningsinterfaces voor mensen met een motorische beperking’ (with van de Loo, De Pauw and others), Utrecht, The Netherlands, December 15, 2011.
213. 22nd Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘Cross-Genre Authorship Verification Using Unmasking’ (with Crombez, Kestemont, Luyckx), Tilburg, January 20th, 2012.
214. 22nd Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘A thresholding approach to emotion detection in suicide notes’ (with Luyckx, Vaassen, Peersman), Tilburg, January 20th, 2012.
215. 22nd Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘Grammar induction for assistive domestic vocal interfaces’ (with De Pauw, van de Loo and others), Tilburg, January 20th, 2012.
216. 22nd Computational Linguistics in the Netherlands (CLIN), accepted contribution on ‘Kernel-based Logical and Relational Learning with kLog for Hedge Cue Detection’ (with Van Asch, Morante and others), Tilburg, January 20th, 2012.
217. LREC 2012, accepted paper on ‘The Netlog Corpus: a Resource for the Study of Flemish Dutch Internet Language’ (with Kestemont and others), Istanbul, Turkey, 23–25 May, 2012.
218. LREC 2012, accepted paper on ‘ConanDoyle-neg: Annotation of negation in Conan Doyle stories’ (with Morante), Istanbul, Turkey, 23–25 May, 2012.
219. LREC 2012, accepted paper on ‘“Vreselijk mooi!” (terribly beautiful): A Subjectivity Lexicon for Dutch Adjectives’ (with De Smedt), Istanbul, Turkey, 23–25 May, 2012.
220. Workshop on Natural Language Processing for Improving Textual Accessibility (NLP4ITA), accepted paper on ‘Towards Shallow Grammar Induction for an Adaptive Assistive Vocal Interface: a Concept Tagging Approach’ (with De Pauw, van de Loo and others), Istanbul, Turkey, May 27, 2012.
221. EMNLP-CoNLL accepted paper on ‘A statistical relational learning approach to identifying evidence based medicine categories’ (with Morante, Van Asch, and others), Jeju, Korea, July 12, 2012.
222. 1st Workshop on Speech and Multimodal Interaction in Assistive Environments (SMIAE), accepted paper on ‘Towards a Self-Learning Assistive Vocal Interface: Vocabulary and Grammar Learning’ Jeju, Korea, July 12th, 2012.
223. Digital Humanities, accepted paper on ‘Evaluating unmasking for cross-genre authorship verification’ (with Kestemont, Luyckx, Crombez), Hamburg, Germany, July 18, 2012.
224. Interspeech 2012 accepted paper on ‘A Self-Learning Assistive Vocal Interface Based on Vocabulary Learning and Grammar Induction’ (with van de Loo, De Pauw and others), Portland, Oregon, September 11, 2012.
225. CLEF 2012 QA4MRE Lab, paper on ‘Annotating Modality and Negation for a Machine Reading Evaluation’ (with Morante), Rome, Italy, September 18, 2012.
226. CLEF 2012 QA4MRE Lab, paper on ‘Machine Reading of Biomedical Texts about Alzheimer’s Disease’ (with Morante, Valencia, Krallinger), Rome, Italy, September 18, 2012.
227. CLEF 2012 PAN Lab, accepted paper on ‘Conversation Level Constraints on Pedophile Detection in Chat Rooms’ (with Van Asch, Vaassen, Peersman), Rome, Italy, September 19, 2012.
228. The 6th European Conference on Games Based Learning, accepted paper on ‘Training Interpersonal Communication Skills Using Unconstrained Text Input’ (with Vaassen and others), Cork, Ireland, October 4, 2012.
229. 23rd Computational Linguistics in the Netherlands (CLIN) conference, accepted contribution on ‘A simple method for topic classification for morphologically complex languages’ (with Vaassen, Kapociute-Dzikiene, De Pauw), Enschede, the Netherlands, January 18th, 2013.
230. 23rd Computational Linguistics in the Netherlands (CLIN) conference, accepted contribution on ‘A simple method for topic classification for morphologically complex languages’ (with Vaassen, Kapociute-Dzikiene, De Pauw), Enschede, the Netherlands, January 18th, 2013.
231. 23rd Computational Linguistics in the Netherlands (CLIN) conference, accepted contribution on ‘Semantic classification of Dutch and Afrikaans noun-noun compounds’ (with Verhoeven, van Huyssteen), Enschede, the Netherlands, January 18th, 2013.
232. 23rd Computational Linguistics in the Netherlands (CLIN) conference, accepted contribution on ‘Semantic frame induction in an assistive vocal interface using hierarchical HMMs’ (with van de Loo, Gemmeke, De Pauw, Van hamme), Enschede, the Netherlands, January 18th, 2013.
233. 23rd Computational Linguistics in the Netherlands (CLIN) conference, accepted contribution on ‘The Chatty Corpus: a gold standard for Dutch chat normalization’ (with Peersman, Kestemont, De Decker, De Pauw, Luyckx, Morante, Vaassen, van de Loo), Enschede, the Netherlands, January 18th, 2013.

2012

2013

234. Benelearn 2013, accepted paper on ‘An analytical approach to similarity measure selection for selftraining’ (with Van Asch), Nijmegen, The Netherlands, June 3, 2013.
235. Workshop on Computational Personality Recognition, accepted paper on ‘Ensemble Methods for Personality Recognition’ (with Verhoeven, De Smedt), Boston, USA, July 11, 2013.
236. 4th Workshop on Speech and Language Processing for Assistive Technologies (SLPAT), accepted paper on ‘A Self Learning Vocal Interface for Speech-impaired Users.’ (with De Pauw, van de Loo, and others), Grenoble, France, 21–22 August, 2013.
237. 14th Annual Conference of the International Speech Communication Association (Interspeech 2014), accepted paper on ‘Self-taught assistive vocal interfaces: An overview of the ALADIN project’ (with van de Loo, De Pauw and others), Lyon, France, 25–29 August 2013.
238. AfLaT 2013, accepted paper on ‘Semantic Classification of Dutch and Afrikaans Noun-Noun Compounds’ (with Verhoeven, van Huyssteen), Ghent, December 6, 2013.
239. 24th Computational Linguistics in The Netherlands (CLIN 2014) conference, accepted contribution on ‘Weakly supervised semantic frame induction: effects of using background knowledge’ (with van de Loo, Gemmeke, De Pauw, Van hamme), Leiden, The Netherlands, January 17, 2014.
240. 24th Computational Linguistics in The Netherlands (CLIN 2014) conference, accepted contribution on ‘Natural Language Processing for Internet Security: the AMiCA project’ (with Hoste, De Pauw, Lefever, Desmet, Schulz, Verhoeven, Van Hee), Leiden, The Netherlands, January 17, 2014.
241. 24th Computational Linguistics in The Netherlands (CLIN 2014) conference, accepted contribution on ‘CLiPS Stylometry Investigation (CSI) Corpus: A Dutch corpus for the detection of age, gender, personality, sentiment and deception in tekst’ (with Verhoeven), Leiden, The Netherlands, January 17, 2014.
242. LREC 2014, accepted presentation on ‘CLiPS Stylometry Investigation (CSI) corpus: A Dutch corpus for the detection of age, gender, personality, sentiment and deception in text’ (with Verhoeven), Reykjavik, Iceland, May 26–31, 2014.
243. LREC 2014, accepted presentation on ‘The Strategic Impact of META-NET on the Regional, National and International Level’ (with Georg Rehm and others), Reykjavik, Iceland, May 26–31, 2014.
244. DHBenelux 2014 accepted contributions on ‘CLiPS Stylometry Investigation (CSI) Corpus: A Dutch corpus for the detection of age, gender, personality, sentiment and deception in text’ (with Verhoeven), The Netherlands, The Hague, June 12–13, 2014.
245. DHBenelux 2014 accepted contributions on ‘Towards a General Purpose Tagger-Lemmatizer for Pre-Modern Dutch’ (with Kestemont, De Pauw, van Nie), The Netherlands, The Hague, June 12–13, 2014.
246. Fifth International Conference on Computational Creativity, accepted late breaking paper on ‘Creative Web Services with Pattern.’ (with Nijs, De Smedt), Ljubljana, Slovenia, June 12, 2014.
247. 19th International Conference on Application of Natural Language to Information Systems (NLDB 2014), accepted paper on ‘Using Wiktionary to Build an Italian Part-of-Speech Taggers’ (with De Smedt, Marfia, Matteucci), Montpellier, France, June 18–20, 2014.
248. First Workshop on Computational Approaches to Compound Analysis (ComAComA 2014), accepted paper on ‘Automatic Compound Processing: Compound Splitting and Semantic Analysis for Afrikaans and Dutch’ (with Verhoeven, van Zaanen, van Huyssteen), Dublin, Ireland, August 24, 2014.
249. PAN 2014 (at CLEF), presentations ‘Overview of the Author Identification Task at PAN 2014’ and ‘Overview of the 2nd Author Profiling Task at PAN 2014’ (with Stamatatos, Rosso, Rangel, Verhoeven, and others), Sheffield, UK, September 16, 2014.
250. Historical Network Research Conference (HNR 2014), paper on ‘A text-mining approach to social network analysis of policy makers in Belgium and The Netherlands’ (with De Pauw, De Smedt, Hanegraaff, Fraussen), Ghent, Belgium, September 19, 2014.
251. Second International Conference on Statistical Language and Speech Processing, accepted paper on ‘Lazy and Eager Relational Learning using Graph-Kernels’ (with Verbeke, Van Asch, De Raedt), Grenoble, France, October 14–16, 2014.
252. Workshop on Computational Personality Recognition (WCPR 2014), accepted paper on ‘Evaluating Content-Independent Features for Personality Recognition’ (with Verhoeven, Soler Company), Orlando, Florida, November 7, 2014.
253. 25th Computational Linguistics in the Netherlands Conference (CLIN 2015), accepted contribution on ‘A semi-supervised method for cleanup of a User-Generated Content Corpus’ (with Manjavacas, Verhoeven), Antwerp, Belgium, February 7, 2015.

2014

2015

254. 25th Computational Linguistics in the Netherlands Conference (CLIN 2015), accepted contribution on ‘Comparing NLP techniques to represent unstructured data sources for the prediction of clinical codes’ (with Scheurwegs, van den Bulcke, Luyckx, Luyten), Antwerp, Belgium, February 7, 2015.
255. 25th Computational Linguistics in the Netherlands Conference (CLIN 2015), accepted contribution on ‘Weakly supervised concept tagging: combining a generative and a discriminative approach’ (with van de Loo, De Pauw, Gemmeke), Antwerp, Belgium, February 7, 2015.
256. 25th Computational Linguistics in the Netherlands Conference (CLIN 2015), accepted contribution on ‘Proof-of-Concept Experiments for the Fine-Grained Classification of Cyberbullying Events’ (with van Hee, Verhoeven, Lefever, De Pauw, Hoste), Antwerp, Belgium, February 7, 2015.
257. Workshop Cognitive Aspects of Computational Language Learning, accepted poster on ‘Towards a model of prediction-based syntactic category acquisition: first steps with word embeddings’ (with Grimm, Cassani, Gillis), Lisbon, Portugal, September 18, 2015.
258. Workshop Cognitive Aspects of Computational Language Learning, accepted poster on ‘Which distributional cues help the most? Unsupervised contexts selection for lexical category acquisition’ (with Grimm, Cassani, Gillis), Lisbon, Portugal, September 18, 2015.
259. Copyediting for Dutch Symposium, organized by the Dutch Language Union, Moderator of Interactive Session, Antwerp, Belgium, September 24th, 2015.
260. 10th Benelux Bioinformatics Conference (BBC 2015), accepted poster on ‘Integrating structured and unstructured data sources for predicting clinical codes’ (with Scheurwegs, van den Bulcke, Luyckx, Luyten), Antwerp, Belgium, December 7–8, 2015.
261. 26th Computational Linguistics in the Netherlands Conference (CLIN26), accepted contribution on ‘A novel approach to aspect extraction taking into account linguistic structure’ (with Tulkens), Amsterdam, The Netherlands, December 18, 2015.
262. 26th Computational Linguistics in the Netherlands Conference (CLIN26), accepted contribution on ‘Detecting racism in Dutch social media posts’ (with Tulkens, Hilde, Lodewyckx, Verhoeven), Amsterdam, The Netherlands, December 18, 2015.
263. 26th Computational Linguistics in the Netherlands Conference (CLIN26), accepted contribution on ‘Distributional bootstrapping with Memory-based learning’ (with Cassani, Grimm, Gillis), Amsterdam, The Netherlands, December 18, 2015.
264. 26th Computational Linguistics in the Netherlands Conference (CLIN26), accepted contribution on ‘Modeling the impact of contextual diversity on word learning’ (with Cassani, Grimm, Gillis), Amsterdam, The Netherlands, December 18, 2015.
265. 26th Computational Linguistics in the Netherlands Conference (CLIN26), accepted contribution on ‘Personality traits on Twitter for less-resourced languages’ (with Plank, Verhoeven), Amsterdam, The Netherlands, December 18, 2015.
266. 26th Computational Linguistics in the Netherlands Conference (CLIN26), accepted contribution on ‘Tagging Variation-Rich Languages Using Convolutional Neural Networks’ (with Kestemont, De Pauw, van Nie, Dieleman and de Schryver), Amsterdam, The Netherlands, December 18, 2015.
267. 26th Computational Linguistics in the Netherlands Conference (CLIN26), accepted contribution on ‘Text-based age and gender prediction for online safety monitoring’ (with van Loo, De Pauw), Amsterdam, The Netherlands, December 18, 2015.
268. TextLink Second Action Conference, accepted poster on ‘Discourse features for computational stylometry’, Budapest, Hungary, April 13, 2016.
269. 10th Language Resources and Evaluation Conference, accepted presentation on ‘Evaluating Unsupervised Dutch Word Embeddings as a Linguistic Resource’ (with Tulkens, Šuster), Portoroz, Slovenia, May 23–28, 2016.
270. 10th Language Resources and Evaluation Conference, accepted presentation on ‘TwiSty: A Multilingual Twitter Stylometry Corpus for Gender and Personality Profiling’ (with Verhoeven, Plank), Portoroz, Slovenia, May 23–28, 2016.
271. Workshop on Text Analytics for Cybersecurity and Online Safety (TA-COS 2016), accepted paper on ‘A Dictionary-based Approach to Racism Detection in Dutch Social Media’ (with Tulkens, Hilde, Lodewyckx, Verhoeven), Portoroz, Slovenia, May 23, 2016.
272. DHBenelux Conference 2016, accepted short paper on ‘Multilingual Personality Profiling on Twitter’ (with Verhoeven, Plank), June 9–10, Belval, Luxembourg, 2016.

2016

273. Digital Humanities 2016, accepted paper on ‘Authorship Verification with the Ruzicka Metric’ (with Kestemont, Stover, Koppel, Karsdorp), Krakow, Poland, July 11–16, 2016.
274. 38th Annual Conference of the Cognitive Science Society, accepted poster on ‘Constraining the search space in cross-situational word learning: Different models make different predictions’ (with Cassani, Grimm, Gillis), Philadelphia, US, August 11, 2016.
275. 15th Workshop on Biomedical Natural Language Processing, Association for Computational Linguistics, accepted paper on ‘Using Distributed Representations to Disambiguate Biomedical and Clinical Concepts’ (with Tulkens, Šuster), Berlin, Germany, August 12, 2016.
276. 4th Conference on CMC and Social Media Corpora for the Humanities, accepted paper on ‘Expressiveness in Flemish on-line teenage talk: a corpus-based analysis of social and medium-related linguistic variation’ (with Hilde, Vandekerckhove), Ljubljana, Slovenia, September 27–28, 2016.
277. BNAIC-2016, accepted short paper on ‘Using Distributed Representations to Disambiguate Biomedical and Clinical Concepts’ (with Tulkens, Šuster), Amsterdam, The Netherlands, November 10–11, 2016.
278. 27th Computational Linguistics in the Netherlands Conference (CLIN27), accepted contribution on ‘Multi-word units in lexical processing and word learning: a computational investigation’ (with Grimm, Cassani, Gillis), Leuven, Belgium, February 10, 2017.
279. 27th Computational Linguistics in the Netherlands Conference (CLIN27), accepted contribution on ‘Useful contexts and easy words: effects of distributional factors on lexical category acquisition’ (with Grimm, Cassani, Gillis), Leuven, Belgium, February 10, 2017.
280. 27th Computational Linguistics in the Netherlands Conference (CLIN27), accepted contribution on ‘Modeling language interference effects in bilingual word reading’ (with Tulkens, Sandra), Leuven, Belgium, February 10, 2017.
281. 27th Computational Linguistics in the Netherlands Conference (CLIN27), accepted contribution on ‘Spelling correction for clinical text with word and character n-gram embeddings’ (with Fivez, Šuster), Leuven, Belgium, February 10, 2017.
282. 27th Computational Linguistics in the Netherlands Conference (CLIN27), accepted contribution on ‘Cyberbullying detection in Social Media’ (with Jacobs, Van Hee, Emmery, Desmet, Lefever, Verhoeven, De Pauw, Hoste), Leuven, Belgium, February 10, 2017.
283. 27th Computational Linguistics in the Netherlands Conference (CLIN27), accepted contribution on ‘Clinical Case Reports dataset for machine reading’ (with Šuster), Leuven, Belgium, February 10, 2017.
284. Sociolinguistics Circle 2017, accepted presentation on ‘Adolescents’ social background and variation patterns in online communication’ (with Vandekerckhove, Hilde), Tilburg, The Netherlands, March 31, 2017.
285. International Conference on Language Variation in Europe, ICLAVE 9, accepted presentation on ‘The Sociolectometry of Flemish Online Teenage Talk: Social and Medium-Related Variation in the Use of Expressive Markers’, Malaga, Spain, June 6–9, 2017.
286. AMLAP 2017, accepted poster on ‘A Self-Organizing model of the Bilingual Reading System’ (with Tulkens, Sandra), Lancaster, UK, September 7–9, 2017.
287. AMIA 2017 Annual Symposium, accepted poster on ‘Clinical Machine Comprehension Using Case Reports’ (with Šuster), Washington, USA, November 4–8, 2017.
288. 28th Computational Linguistics in the Netherlands Conference (CLIN), accepted contribution on ‘Unsupervised dense patient representations with interpretable classification decisions’ (with Madhumita Sushil, Simon Šuster, Kim Luyckx), Nijmegen, The Netherlands, January 6, 2018.
289. 28th Computational Linguistics in the Netherlands Conference (CLIN), accepted contribution on ‘Global Space: A Reconstructive Model of Word Reading’ (with Tulkens, Sandra), Nijmegen, The Netherlands, January 6, 2018.
290. 28th Computational Linguistics in the Netherlands Conference (CLIN), accepted contribution on ‘Discourse lexicons for multiple languages and their use for gender profiling’ (with Ben Verhoeven), Nijmegen, The Netherlands, January 6, 2018.
291. 28th Computational Linguistics in the Netherlands Conference (CLIN), accepted contribution on ‘Stylometric Text Analysis for Adolescents with Autism Spectrum Disorder’ (with Luna De Bruyne), Nijmegen, The Netherlands, January 6, 2018.
292. 28th Computational Linguistics in the Netherlands Conference (CLIN), accepted contribution on ‘The Claus Case: Exploring the Use of Propositional Idea Density for Alzheimer Detection’ (with Silke Marckx, Ben Verhoeven), Nijmegen, The Netherlands, January 6, 2018.

2017

2018

293. 28th Computational Linguistics in the Netherlands Conference (CLIN), accepted contribution on ‘Children are more likely to store coherent rather than frequent under-segmented chunks: Quantitative evidence from a corpus study’ (with Robert Grimm, Steven Gillis), Nijmegen, The Netherlands, January 6, 2018.
294. 28th Computational Linguistics in the Netherlands Conference (CLIN), accepted contribution on ‘Clinical Machine Comprehension with Case Reports’ (with Simon Šuster), Nijmegen, The Netherlands, January 6, 2018.
295. NAACL HLT 2018, accepted paper on ‘CliCR: A Dataset of Clinical Case Reports for Machine Reading Comprehension’ (with Simon Šuster), New Orleans, June 3, 2018.
296. PIF 2018, accepted presentation on ‘What am I reading? Investigating the impact of features on model fit in word reading’ (with Tulkens, Sandra), Ghent, 4–5 June, 2018.
297. PIF 2018, accepted presentation on ‘Distributional nuggets for lexical categories: Finding the useful information in co-occurrence patterns’ (with Giovanni Cassani, Robert Grimm, Steven Gillis), Ghent, 4–5 June, 2018.
298. PIF 2018, accepted presentation on ‘From lexical categories to acceptable lexical choices: A discriminative learning approach’ (with Giovanni Cassani, Robert Grimm, Harald Baayen), Ghent, 4–5 June, 2018.
299. Vardial shared task on Discriminating between Dutch and Flemish in Subtitles (DFS), contribution on ‘Exploring Classifier Combinations for Language Variety Identification’ (with Kreutz), Santa Fe, United States, August 20, 2018.
300. LREC 2018, accepted paper on ‘WordKit: a Python Package for Orthographic and Phonological Featurization’ (with Tulkens, Sandra), Santa Fe, August 22, 2018.
301. COLING 2018 accepted paper on ‘Enhancing General Sentiment Lexicons for Domain-Specific Use’ (with Kreutz), Santa Fe, United States, August 22, 2018.
302. PAN@CLEF2018, paper on ‘Cross-domain Authorship Attribution. Overview of the Author Identification Task at PAN-2018’ (with Mike Kestemont, Efstathios Stamatatos, Benno Stein, Martin Potthast), Avignon, September 11, 2018.
303. AMLAP 2018, accepted poster on ‘Features Matter in Computational Models of Word Reading’ (with Tulkens, Sandra), Berlin, September 6–8, 2018.
304. 4th Workshop on Computer VISION for ART Analysis (VISART IV), accepted paper on ‘Deep Transfer Learning for Art Classification Problems’ (with Sabatelli, Kestemont, Geurts), September 9, 2018.
305. Workshop on Health Text Mining and Information Analysis (LOUHI), accepted paper on ‘Revisiting neural relation classification in clinical notes with external information’ (with Simon Šuster, Madhumita Sushil), Brussels, October 31, 2018.
306. Workshop on Analyzing and interpreting neural networks for NLP (BlackBoxNLP), accepted poster on ‘Rule induction for global explanation of trained models’ (with Madhumita Sushil, Simon Šuster), Brussels, October 31, 2018.
307. CoNLL 2018, accepted paper on ‘From Strings to Other Things: Linking the Neighborhood and Transposition effects in Word Reading’ (with Tulkens, Sandra), Brussels, Belgium, October 31, 2018.
308. Computational Linguistics in the Netherlands, accepted contribution on ‘Rule induction for global explanation of neural networks’ (with Madhumita Sushil, Simon Šuster), Groningen, January 31, 2019.
309. Computational Linguistics in the Netherlands, accepted contribution on ‘Overcoming ontology sparsity for entity linking of lexically novel disorder mentions’ (with Pieter Fivez, Simon Šuster), Groningen, January 31, 2019.
310. Computational Linguistics in the Netherlands, accepted contribution on ‘How to optimize your Twitter collection: Dutch keyword sets for various research goals’ (with Tim Kreutz), Groningen, January 31, 2019.
311. Computational Linguistics in the Netherlands, accepted contribution on ‘Orthographic neighborhoods in neural networks’ (with Stéphan Tulkens, Dominiek Sandra), Groningen, January 31, 2019.
312. Computational Linguistics in the Netherlands, accepted contribution on ‘Revisiting neural relation classification in clinical notes with external information’ (with Simon Šuster, Madhumita Sushil), Groningen, January 31, 2019.
313. Computational Linguistics in the Netherlands, accepted contribution on ‘Overview of the CLIN29 Shared Task on Cross-Genre Gender Prediction in Dutch’ (with Hessel Haagsma, Tim Kreutz, Masha Medvedeva, Malvina Nissim), Groningen, January 31, 2019.
314. CLIN 30, Computational Linguistics in the Netherlands conference, accepted contribution on ‘Annotating sexism as hate speech: the influence of annotator bias’ (with Elizabeth Cappon, Guy De Pauw), Utrecht, January 30, 2020.
315. CLIN 30, Computational Linguistics in the Netherlands conference, accepted contribution on ‘Extracting Drug, Reason, and Duration Mentions from Clinical Text Data: A Comparison of Approaches’ (with Jens Lemmens, Simon Šuster), Utrecht, January 30, 2020.

2019

2020

316. CLIN 30, Computational Linguistics in the Netherlands conference, accepted contribution on ‘Stylometric and Emotion-Based Features for Hate Speech Detection’ (with Ilia Markov), Utrecht, January 30, 2020.
317. CLIN 30, Computational Linguistics in the Netherlands conference, accepted contribution on ‘Social media candidate generation as a psycholinguistic task’ (with Stephan Tulkens, Dominiek Sandra) Utrecht, January 30, 2020.
318. CLIN 30, Computational Linguistics in the Netherlands conference, accepted contribution on ‘Tracing thoughts – application of ngram tracing on schizophrenia data’ (with Lisa Becker), Utrecht, January 30, 2020.
319. Accepted presentations with co-authors and with published proceedings (see publications) at ARTIDIGH 2020, Malta; COLING 2020 (online); KDD-Converse (online); PRASA, Cape Town; 2nd Workshop on Figurative Language Processing (online); 4th International Conference on Natural Language Processing and Information Retrieval (online); 12th Web as Corpus Workshop (only proceedings), LaTeCH-CLfl (online); Third Workshop on Computational Modeling of People’s Opinions, Personality, and Emotion’s in Social Media (online); LREC 2020 (two presentations, only proceedings).
320. DH Benelux 2021, accepted paper on ‘Coding Art: Multi-Modal Iconclass Codes Retrieval using Neural Networks’ (with Banari, Kestemont), Leiden, June 2, 2021.
321. CLIN 31, accepted contribution on ‘Common Language Resources Infrastructure in Flanders: new prospects’ (with Vandeghinste, Lefever, Van de Cruys and Chambers), Ghent, July 9th 2021.
322. CLIN 31, accepted contribution on ‘A Rule-Based Approach for Detecting Vaccination Hesitancy in Online Comments’ (with Dejaeghere, Kreutz, Markov), Ghent, July 9th 2021.
323. CLIN 31, accepted contribution on ‘Monitoring Anti-Vaccination Discourse in Dutch Twitter and Facebook Comments’ (with Lemmens, Kreutz, Van Nooten, Markov), Ghent, July 9th 2021.
324. CLIN 31, accepted contribution on ‘On the Importance of Function Words in Cross-Domain Age Detection’ (with Van Nooten, Markov), Ghent, July 9th 2021.
325. CLARIN Annual Conference 2021, accepted paper on ‘CLARIN Flanders: new prospects’ (with Vandeghinste, Lefever, Van de Cruys and Chambers), September 27–29, 2021.
326. European Conference on Health Communication, accepted paper on ‘A chatbot as an intervention to foster public engagement with the COVID-19 vaccines’ (with Poels, Claessens, Buhmann, De Bruyn, Vandebosch, Van Damme), November 4–5, 2021.
327. Interdisciplinary Perspectives on Hate Speech: The International Perspective (IPHSE II), paper on ‘A Multilingual Perspective on Hate Speech Detection in Social Media’ (with Markov), Hildesheim, November 11, 2021.
328. Accepted presentations with co-authors and with published proceedings (see publications) at Language Resources and Evaluation Conference, LREC 2021; Computer Vision and Image Analysis of Art 2021; 13th International Conference on Agents and Artificial Intelligence (ICAART 2021); European Consortium for Political Research (ECPR) general conference, 2021; 1st Workshop on Computational Linguistics for Political Text Analysis (CPSS-2021); 3rd Workshop on Machine Reading for Question Answering (2021); BNAIC-BENELEARN 2021; 3rd Workshop on Natural Language Processing for Conversational AI (2021); 8th Conference on Computer-Mediated Communication (CMC) and Social Media Corpora (CMC-Corpora (2021); 20th workshop on Biomedical Language Processing 2021 (3 papers); 12th international workshop on Health Text Mining and Information Analysis 2021; 16th Conference of the European Chapter of the Association for Computational Linguistics, 2021; Conference on Empirical Methods in Natural Language Processing 2021; Eleventh Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis 2021; Fourth Workshop on NLP for Internet Freedom: Censorship, Disinformation, and Propaganda, WASSA, 2021 (2 papers).
329. The 32nd Meeting of Computational Linguistics in The Netherlands (CLIN 32), accepted contribution ‘Unsupervised text classification with neural word embeddings’ (with Andriy Kosar, Guy De Pauw), Tilburg, Willem II Stadium, June 17, 2022.
330. The 32nd Meeting of Computational Linguistics in The Netherlands (CLIN 32), accepted contribution ‘Multi-Modal Retrieval of Iconclass Codes using Deep Learning’ (with Nikolay Banar, Mike Kestemont), Tilburg, Willem II Stadium, June 17, 2022.
331. The 32nd Meeting of Computational Linguistics in The Netherlands (CLIN 32), accepted contribution ‘CLARIAH-VL: User-friendly NLP pipelines for Researchers in the Humanities in Flanders and Beyond’ (with Jens Lemmens), Tilburg, Willem II Stadium, June 17, 2022.
332. The 32nd Meeting of Computational Linguistics in The Netherlands (CLIN 32), accepted contribution ‘TEXTUA: the Antwerp Text Mining Centre’ (with Pieter Fivez, Mike Kestemont, David Martens, José Oramas), Tilburg, Willem II Stadium, June 17, 2022.

2021

2022

333. The 32nd Meeting of Computational Linguistics in The Netherlands (CLIN 32), accepted contribution 'Open-Domain Dialog Evaluation using Follow-Ups Log-Likelihood' (with Maxime De Bruyn, Ehsan Lotfi, Jeska Buhmann), Tilburg, Willem II Stadium, June 17, 2022.
334. The 32nd Meeting of Computational Linguistics in The Netherlands (CLIN 32), accepted contribution 'Linguistic Analysis of Socially Unacceptable Discourse in Social Media' (with Ine Gevers, Ilia Markov), Tilburg, Willem II Stadium, June 17, 2022.
335. The 32nd Meeting of Computational Linguistics in The Netherlands (CLIN 32), accepted contribution 'Combining domain-adapted BERT models and statistical filtering methods for unsupervised keyword extraction from tenders' (with Jens Van Nooten), Tilburg, Willem II Stadium, June 17, 2022.
336. CLARIN BAZAAR at the CLARIN Annual Conference, poster on 'META-COVID: An Empirical Case Study on COVID-19 Metadata in the EOSC Future Project', Prague, 12 October 2022.
337. Accepted presentations with co-authors and with published proceedings (see publications) at COLING 2022 (4 papers); NLDB 2022 (2 papers); LREC 2022; 2nd Workshop on Natural Language Generation, Evaluation, and Metrics (GEM) (2 papers); Massively Multilingual Natural Language Understanding Workshop (MMNLU-22); Fifth BlackboxNLP Workshop on Analyzing and Interpreting Neural Networks for NLP; Third Workshop on Threat, Aggression and Cyberbullying (TRAC 2022).
338. The 33rd Meeting of Computational Linguistics in The Netherlands (CLIN 33), accepted contribution 'Comparative Evaluation of Topic Generation: Human vs. LLMs' (with Andriy Kosar, Guy De Pauw), Antwerp, September 22, 2023.
339. The 33rd Meeting of Computational Linguistics in The Netherlands (CLIN 33), accepted contribution 'Who are the haters? 'A corpus-based demographic analysis of authors of hate speech' (with Lisa Hilde, Ilia Markov, Nikola Ljubešić, Darja Fišer), Antwerp, September 22, 2023.
340. The 33rd Meeting of Computational Linguistics in The Netherlands (CLIN 33), accepted contribution 'And How Does That Make You Feel? Towards More Robust Emotion Representations in Few-Shot Text Classification with BERT' (with Jens Lemmens), Antwerp, September 22, 2023.
341. The 33rd Meeting of Computational Linguistics in The Netherlands (CLIN 33), accepted contribution 'Who Do Politicians Claim (not) to Represent? Developing a Machine Learning Method for Detecting and Classifying Politicians' Claims of Representation' (with Ine Gevers, August De Mulder, Stefaan Walgrave), Antwerp, September 22, 2023.
342. The 33rd Meeting of Computational Linguistics in The Netherlands (CLIN 33), accepted contribution 'Evaluation of zero-shot NLI-based hate speech detection' (with Nerses Yuzbashyan, Nikolay Banar, Ilia Markov), Antwerp, September 22, 2023.
343. The 33rd Meeting of Computational Linguistics in The Netherlands (CLIN 33), accepted contribution 'TEXTUA: the Antwerp Text Mining Centre' (with Pieter Fizev), Antwerp, September 22, 2023.
344. The 33rd Meeting of Computational Linguistics in The Netherlands (CLIN 33), accepted contribution 'Linguistic Changes in Terry Pratchett's Writing as an Indication of Posterior Cortical Atrophy' (with Dorothy Modrall Sperling, Ilia Markov), Antwerp, September 22, 2023.
345. The 33rd Meeting of Computational Linguistics in The Netherlands (CLIN 33), accepted contribution 'Improving Dutch Vaccine Hesitancy Monitoring via Multi-Label Data Augmentation with GPT-3.5' (with Jens Van Nooten), Antwerp, September 22, 2023.
346. The 33rd Meeting of Computational Linguistics in The Netherlands (CLIN 33), accepted contribution 'Advancing Topical Text Classification: A Novel Distance-Based Method with Contextual Embeddings' (with Andriy Kosar, Guy De Pauw), Antwerp, September 22, 2023.
347. Accepted presentations with co-authors and with published proceedings (see publications) at RANLP; Third DialDoc Workshop on Document-grounded Dialogue and Conversational Question Answering; LT-EDI 2023, Third Workshop on Language Technology for Equality, Diversity and Inclusion; 13th Workshop on Computational Approaches to Subjectivity, Sentiment, & Social Media Analysis (2 papers); Third Generation, Evaluation & Metrics (GEM) Workshop.
348. The 34th Meeting of Computational Linguistics in The Netherlands (CLIN 34), accepted contribution 'In-Corpus and Cross-Corpus Analysis of Native Language Identification Using Machine Learning' (with Rahimi, Lotfi), Leiden, August 21, 2024.
349. The 34th Meeting of Computational Linguistics in The Netherlands (CLIN 34), accepted contribution 'One Size Does Not Fit All: Exploring Variable Thresholds for Distance-Based Multi-Label Text Classification' (with Kosar, Van Nooten, De Pauw), Leiden, August 21, 2024.

2023

2024

350. The 34th Meeting of Computational Linguistics in The Netherlands (CLIN 34), accepted contribution 'Styloscope and Toposcope: Towards user-friendly digital text analysis' (with Lemmens), Leiden, August 21, 2024.
351. The 34th Meeting of Computational Linguistics in The Netherlands (CLIN 34), accepted contribution 'Evaluating LLM-Generated Topic Names via Text Reconstruction' (with Kosar, De Pauw), Leiden, August 21, 2024.
352. The 34th Meeting of Computational Linguistics in The Netherlands (CLIN 34), accepted contribution 'Bag of Lies: Robustness in Continuous Pre-training BERT' (with Gevers), Leiden, August 21, 2024.
353. Accepted presentations with co-authors and with published proceedings (see publications) at Joint Workshop of the 7th Financial Technology and Natural Language Processing, the 5th Knowledge Discovery from Unstructured Data in Financial Services, and the 4th Workshop on Economics and Natural Language Processing; 8th International Conference on Natural Language Processing and Information Retrieval; 27th European Conference on Artificial Intelligence.
354. The 35th Meeting of Computational Linguistics in The Netherlands (CLIN 35), accepted contribution 'Towards MTEB-NL: Collecting Dutch Resources for a Unified Embedding Evaluation' (with Banar, Lotfi, Kliocaitė), Leuven, September 12, 2025.
355. The 35th Meeting of Computational Linguistics in The Netherlands (CLIN 35), accepted contribution 'An Agentic AI Framework for Training General Practitioner Student Skills' (with De Marez, De Bruyne), Leuven, September 12, 2025.
356. Accepted presentations with co-authors and with published proceedings (see publications) at 29th Conference on Computational Natural Language Learning; 18th Workshop on Building and Using Comparable Corpora (BUCC); 31st International Conference on Computational Linguistics; 1st Regulatory NLP Workshop (RegNLP 2025).

2025

8 Teaching

My teaching expertise is in Artificial Intelligence, Cognitive Science, Programming for Artificial Intelligence, Machine Learning, Digital Humanities, Computational Psycholinguistics, Natural Language Processing, and Language Technology, at introductory and at advanced levels.

University of Antwerp

Master program Digital Text Analysis

Natural Language Processing. 2007FLWDTA, 2020–2025 (from 2023 with Luna De Bruyne).

Machine Learning. 2011FLWDTA, 2020–2026.

DTA Bootcamp. 2010FLWDTA, (with Kestemont and others), 2020–2026.

Text Mining. 2014FLWDTA, 2022–2026 (from 2024 with Luna De Bruyne).

Internship coordinator, 2020-2026.

BA language and literature

Taalverwerking door mens en machine. (Language Processing in People and Machines), 1107FLWTLA, (with Sandra, from 2023 with Pijpops), 2021–2026

Replaced *Algemene Taalwetenschap 2*. (General Linguistics 2), (BA3) (with Sandra), 2016–2021.

Replaced *Interdisciplinaire Linguïstiek*. (Interdisciplinary Linguistics), 1005FLWTLA, (BA) (with Sandra, Cuvelier), 2005–2016.

Guest lectures in MA course on *Case Studies and Trends in Data Science* of Applied Economics (2019-2024).

Contributions to selected Flemish AI Academy (VAIA) courses (Clinical and Biomedical NLP, Text Categorization), 2020–2025.

Life Long Learning module (microcredential) Natural Language Processing and Machine Learning, 2020–2026.

Life Long Learning module(microcredential) Language Technology, 2022–2026.

Earlier at University of Antwerp

INTERNET voor taal- en literatuurwetenschap (INTERNET for Linguistics and Literary Science), (LING 406), 1997-2000.

Replaced *INTERNET en elektronische hulpmiddelen voor onderzoek in de taalwetenschap*. (INTERNET and electronic tools for research in linguistics), 1994-1997.

Capita Computerlinguïstiek. (Selected Topics in Computational Linguistics), (LING 403), 1997-2004.

Replaced *Capita taal- en informatieverwerking*. (Selected Topics in Language and Information Technology), 1992-1997.

Computerlinguïstiek. (Computational Linguistics) (LING 400), 1997-2007.

Replaced *Taal- en informatieverwerking*. (Language and Information Processing), 1992-1997.

Replaced *Programmeren van linguïstische algoritmen*. (Programming of Linguistic Algorithms), 1989-1992.

Taaltechnologie (LING 401). (Language Technology), 1992-2006.

Artificiële Intelligentie. (Artificial Intelligence), (LING 402), 1997-2007.

Replaced *AI en AI-programmeertechnieken*. (Artificial Intelligence and AI Programming), 1992-1997.

Replaced *Exploratie van linguïstische databanken*. (Exploration of Linguistic Databases), 1989-1992.

Programmeren voor AI en Computerlinguïstiek. (Programming for Artificial Intelligence and Computational Linguistics), 1999-2006.

Corpustalkunde (Corpus Linguistics), (MA), 2008-2009. Replacing Steven Gillis.

Computationale psycholinguïstiek (capita selecta). (Computational Psycholinguistics Selected Topics), 2012FLWTAA (MA), (with Gillis, Sandra), 2007–2016.

Computational Linguistics. 2010FLWTAA, (MA) (with De Pauw until 2017, with Šuster from 2017, with Markov from 2019), 2007–2020.

Cognitive Artificial Intelligence. 2011FLWTAA, (MA), 2018–2020.

Replaced *Computationale modellen van taalbegrip*. (Computational Models of Language Understanding), 2007–2016.

Programmeren voor taal- en letterkunde. (Programming for Linguistic and Literary Studies), (with Kestemont and Manjavacas), 2016–2020.

Wetenschappelijk onderzoek in taal- en letterkunde. (Scientific Research in the Humanities), 1025FLWTLA, (BA), (several lecturers), 2014–2020.

Digital Humanities, 1016FLWTLA, (BA), (with Van Hulle, Kestemont), 2011–2022.

Guest lectures in MA course *Translation Science* of Applied Linguistics/Translation & Interpreting (2020-2022).

Inter-university Advanced Master in Linguistics

Postgraduate Degree in Language Technology. Some of the previous courses (in modified form) were also presented as advanced master courses. This degree has existed under various names: e.g., Speciale Licentie Computertaalkunde (Special degree Computational Linguistics), and GAS Taaltechnologie (Postgraduate degree Language Technology). From 1994 to 2004, it was part of a GGS (Interuniversitaire gespecialiseerde studie) in taalwetenschap (Inter-university Programme on Linguistics) as a specialisation module. This programme was replaced by a *Master of Advanced Studies in Linguistics* from 2005 (see below). Some of the courses were part of the free option programme of computer science students (Antwerp and Ghent) and library science students (Antwerp).

Computational tools for linguistics (MALING01A62010), (with S. Gillis), 6 credits, 2004–2011.

Cognitive Artificial Intelligence, (MALING01A62170), 6 credits, 2004–2011.

Automatic text understanding, (MALING01A62160), 6 credits, 2004–2011.

Interdisciplinary Linguistics Intensive Course, (MALING01A62230), 12 credits, 2004–2011.

University of Leuven

Engelse grammaticale oefeningen en woordenschat. (English Grammatical Exercises and Vocabulary) (student-assistant; supervision Prof. B. Rudzka), 1981-1982.

University of Nijmegen

Computationale psycholinguïstiek en taaltechnologie. (Computational Psycholinguistics and Language Technology) (with Gerard Kempen and others) 1984-1985.

Computer Science Brussels (AI-LAB)

Inleiding AI. (Introduction to Artificial Intelligence) (with Luc Steels and others), 1987-1990.

Natuurlijke taal verwerking. (Natural Language Processing) (with Luc Steels), 1987-1988, 1989-1990.

Technieken van de Artificiële Intelligentie. (Artificial Intelligence Techniques I. Natural Language Processing), 2000-2003.

Tilburg University

Automatisch vertalen. (Machine Translation) (with H. Kempff), 1989-1990.

Systemen voor redactionele ondersteuning. (Systems for Redactional Support) (with E. van der Linden), 1989-1990.

Computationale lexicografie en lexicologie. (Computational Lexicography and Lexicology) (with E. van der Linden), 1989-1991.

Toegepaste taal- en teksttechnologie. (Applied Language and Text Technology) (with E. van der Linden), 1990-1992.

AI Systemen voor natuurlijke taalverwerking. (AI Systems for Natural Language Processing) 1989-1995.

AI formalismen in LISP. (AI Formalisms in LISP). 1989-1995.

Programmeerproject. (Programming Project). (coordination), 1991-1995.

Computerlinguïstiek. (Computational Linguistics) (with H. Bunt and R. Muskens), 1994-1995.

Lerende Systemen voor natuurlijke taal. (Machine Learning of Natural Language), 1995-1997.

Kunstmatige Intelligentie. (Artificial Intelligence), 1994-1995, 1996-1998.

Declaratief programmeren. (Declarative Programming) (with E. Thijsse), 1995-1998.

Automatische Taalanalyse. (Automatic Analysis of Language), 1997-1998.

Lerende Systemen. (Machine Learning), 1998-1999.

Automatische informatie-extractie en samenvatting. (Automatic Information Extraction and Summarization), 1998-1999.

Programmeren. (Programming), 1998-1999.

Text Mining (with A. van den Bosch). 2004-2005; 2007-2008.

Tias and CLS

Member Organization and Programme Committee TIAS (Tilburg Institute for Academic Studies) postgraduate course on *AI and Man-Machine Communication*. Co-organizer (with van der Linden) of Module 1 in this programme: AI: Applications and Problems, 1990-1991.

CLS course on ‘Neuro-Phonetics’ (with Johannesma and Wittenburg), Nijmegen, The Netherlands, December 1992.

CLS course on ‘Connectionism’ (with Wittenburg), Nijmegen, Max Planck Institute, The Netherlands, May 1994.

Season Schools, Graduate Schools, and Conference Tutorials

AVT summerschool on ‘the Mental Lexicon’, invited contribution on ‘The Lexicon as a Complex Dynamic System.’, invitation Rob Schreuder, Nijmegen, The Netherlands, June 19, 1992.

International Summer School on Language, Logic, and Information (ESSLLI’94), advanced course on ‘Machine Learning of Natural Language’, invitation Gerald Gazdar, Copenhagen, August 1994.

Netherlands Graduate Summer School of Linguistics (LOT), graduate course on ‘Inductive Models of linguistic Knowledge’, Amsterdam, June 17-21, 1996.

International Summer School on Language, Logic, and Information (ESSLLI’96), workshop ‘Statistical Learning of Language.’ (with Ted Briscoe), invitation Ted Briscoe, Prague, August 1996.

ELSNET Summer School on Language and Speech Communication (Lexicon Development for Language and Speech Processing), course on ‘Lexical Acquisition’, (with Gert Durieux), invitation John Nerbonne, Leuven, July 1997.

Nemlap-3 and CoNLL’98 Invited Tutorial on ‘Introduction to Memory-Based Language Technology.’ Blue Mountains, Australia, January 12, 1998.

BCN, Graduate School for Behavioral and Cognitive Neurosciences, course on Computational Models of Language Acquisition, invited contribution on ‘Memory-Based Language Acquisition’, (with Gert Durieux), Invitation John Nerbonne, Groningen, June 30, 1998.

EAIA’00 (Advanced School on Artificial Intelligence). Information Exploration and Learning from Text. Invited tutorial on ‘Memory-Based Language Processing: Applications in Language Engineering.’ Instituto Superior Técnico, Lisbon, Portugal, September 15, 2000.

International Summer School on Language, Logic, and Information (ESSLLI’03), course on ‘Memory-Based Language Processing.’, (with Antal van den Bosch), Vienna, Austria, August 18-22, 2003.

ECML-PKDD tutorial on ‘Machine Learning for Natural Language Processing’ (with Antal van den Bosch). Berlin, Germany, September 21, 2006.

PhD School in Language and Speech Technologies, invited module on ‘Machine Learning Approaches to developing language processing modules’, Tarragona, Spain, 17-20 October, 2006.

LOT Summerschool, invited course on ‘Machine Learning for modeling in psycholinguistics’ (with Emmanuel Keuleers), Leuven, Belgium, 11-15 June, 2007.

Interspeech Tutorial ‘Machine Learning for Text and Speech Processing’ (with Van den Bosch), Antwerpen, Belgium, August 27, 2007.

Swedish Graduate School of Language Technology, invited Module on ‘Memory-Based Learning’ in the course on Machine Learning, Göteborg, Sweden, October 20, 2003; October 27, 2005; October 23, 2007; October 20, 2009.

International summer school in language and speech technologies (SSLST 2011), invited advanced course on ‘Computational Stylometry.’, September 2, 2011.

Invited tutorial on ‘New Applications of Automatic Text Categorization.’ Pretoria, South-Africa, January 25, 2012.

Invited tutorial on ‘Memory-Based Models of Language Acquisition and Processing.’ (with Antal van den Bosch), IASCL, Amsterdam, July 14, 2014.

Teaching in Industry

Flanders Language Valley, programme on Language and Computer Science, course on Computational Linguistics, (coordination with Van Eynde, and selected lectures), Ieper, 1998-2001.

Coordination Perl course for Lernout & Hauspie speech products (Lecturers: Tjong Kim Sang and Zavrel). 2000.

Course Design “Fundamentals of Speech, Artificial Intelligence and Language Technology” for S.A.I.L., Ieper (with Van Compernelle). 2000.

9 Publications

1. Walter Daelemans. *Structuur en Functie*. (Structure and Function.) Unpublished Master's thesis, department of linguistics, K.U.Leuven, 1982.
2. Walter Daelemans. *De Evaluatie van Synesthetische Metaforen*. (The Evaluation of Synesthetic Metaphor.) Unpublished Thesis, department of Psychology, K.U.Leuven, 1983.
3. Walter Daelemans, Dik Bakker, Henk Schotel. Automatische detectie en correctie van spelfouten. (Automatic Detection and Correction of Spelling Errors.) *Informatie* 26 (12), 952–956, 1984. (Also published as Internal Report 84FU10, Psychology, University of Nijmegen.)
4. Fiény Pijls, Walter Daelemans, Gerard Kempen. Artificial Intelligence Tools for Grammar and Spelling Instruction. *Instructional Science*, 16, 319–336, 1987. (Also in Proceedings Second International Conference and Exhibition on Children in the Information Age, Sofia, Vol. 2, 166–185, 1987).
5. Walter Daelemans, A Tool for the Automatic Creation, Extension and Updating of Lexical Knowledge Bases. *Proceedings of the Third ACL European Chapter Conference*, ACL, Copenhagen, 70–74, 1987.
6. Gert Anbeek, Walter Daelemans. Text processors with Linguistic Knowledge. In: J.J.H. Miller (ed.) *PROTEXT IV*, 79–85, Dublin: Boole Press Limited, 1987.
7. Kris Van Marcke, Viviane Jonckers, Walter Daelemans. Representation Aspects of Knowledge-Based Office Systems. In: Commission EC (ed.) *ESPRIT '87: Achievements and Impact*. Part 2, 1226–1238, Amsterdam: North-Holland, 1987.
8. Walter Daelemans. Taaltechnologie: Toepassingen en Problemen. (Language Technology: Applications and Problems.) Internal Note 87-4, AI-LAB, Brussels, 1987.
9. Walter Daelemans. *Studies in Language Technology: An Object-Oriented Computer Model of Morpho-phonological Aspects of Dutch*. Doctoral Dissertation, University of Leuven, 249 pages, 1987. (Preliminary versions of chapters appeared in ESPRIT Project 82, Deliverable D2/R4, Intelligent Work Station, March, 1986).
10. Walter Daelemans. A Model of Dutch Morphophonology and its Applications. *AI Communications*, Volume 1, number 2, 18–25, 1988. (Also appeared as AI-MEMO 88-8, AI-LAB Brussels.)
11. Walter Daelemans. Toepassingen van een objectgericht computermodel van de Nederlandse Morfofonologie. (Applications of an object-oriented computer model of Dutch Morphophonology.) *Proceedings NAIC-88*, Amsterdam, 81–92, 1988. (Best paper award).
12. Walter Daelemans. GRAFON: A Grapheme-to-phoneme conversion system for Dutch. *Proceedings Twelfth International Conference on Computational Linguistics (COLING-88)*, Budapest, 133–138, 1988. (Extended version published as AI-MEMO 88-5, AI-LAB Brussels).
13. Walter Daelemans. Learning heuristic diagnostic rules in an intelligent tutoring system. *Proceedings Third International Symposium on Knowledge Engineering*, Madrid, 183–190, 1988. (Also published as AI-MEMO 88-20, AI-LAB Brussels).
14. Walter Daelemans. Automatische Morfologische Analyse. (Automatic Morphological Parsing.) *Informatie*, 31 (4), 261–270, 1989.
15. Walter Daelemans. Automatic Hyphenation: Linguistics versus Engineering. In: Frans J. Heyvaert, Frieda Steurs (eds.), *Worlds behind Words*, Leuven: Leuven University Press, 347–364, 1989.
16. Walter Daelemans. TDTDT onderwijst spellen. (TDTDT teaches spelling.) In: Fiény Pijls, Jacobijn Sandberg (eds.) *De computer als expert en didacticus*. (The computer as expert and pedagogue), Muiderberg: Coutinho, 16–27, 1989.
17. Walter Daelemans. Object-oriented Hierarchical Lexicons. *Informal proceedings IJCAI'89 Workshop on Object-oriented Programming in AI*, Detroit, USA, 1989.
18. Walter Daelemans, Gerald Gazdar (eds.) *Inheritance in Natural Language Processing*. Tilburg: ITK, ITK Proceedings 90/1, 120 pages, ISBN: 90-74029-03-5, 1990.
19. Walter Daelemans. TDTDT en Spelraam. In: O. Borgers, F. Daems, P. Reynders (eds.) *Computers en Onderwijs*, Antwerpen: CBL-UIA, 119–124, 1990.
20. Walter Daelemans. Inheritance in Object-oriented Natural Language Processing. In: Walter Daelemans, Gerald Gazdar (eds.) *Inheritance in Natural Language Processing*, Tilburg: ITK, ITK Proceedings 90/1, 30–38, 1990.
21. Walter Daelemans. An Object-Oriented Linguistic Toolbox. In: Don Ross, Dan Brink (eds.) *Making Connections*. Handbook of the International Joint Conference of the Association for Computers and the Humanities and the Association for Literary and Linguistic Computing, Tempe: Arizona State University, 89–93, 1991.

< 1987

1987

1988

1989

1990

1991

22. Walter Daelemans, David Powers (eds.) *Background and Experiments in Machine Learning of Natural Language*. Tilburg: ITK, ITK Proceedings 92/1, 282 pages, ISBN: 90-74029-02-7, 1992.
23. David Powers, Walter Daelemans. SHOE: The Extraction of Hierarchical Structure for Machine Learning of Natural Language: Project Summary. In: Walter Daelemans, David Powers (eds.) *Background and Experiments in Machine Learning of Natural Language*, 125–160, 1992. (Also available as ITK Research Memo 10, 1–36, 1991).
24. Walter Daelemans, Gerald Gazdar (guest eds.) *Computational Linguistics Special Issue on Inheritance in Natural Language Processing*. 18 (2) and 18 (3), 133–337, MIT Press, ISSN 0891-2017, 1992.
25. Walter Daelemans, Koenraad De Smedt, Gerald Gazdar. Inheritance in Natural Language Processing. *Computational Linguistics* 18 (2), 205–218, 1992.
26. Walter Daelemans, Antal van den Bosch. A Neural Network for Hyphenation. In: I. Aleksander, J. Taylor (eds.) *Artificial Neural Networks II: Proceedings of the International Conference on Artificial Neural Networks*, Elsevier Science Publishers, 1647–1650, 1992.
27. Walter Daelemans. Biologische Metaforen in Natuurlijke Taal Verwerking. (Biological Metaphors in Natural Language Processing.) In: T. Venckeleer, W. Verbeke (eds.) *Cultuurwetenschappen in Beweging 1980-1990*. Leuven: Vlaamse Vereniging Cultuurwetenschappen, Kapellen: Uitgeverij Pelckmans, 117–137, 1992.
28. Antal van den Bosch, Walter Daelemans. Linguistic Pattern Matching Capabilities of Connectionist Networks. In: Jan van Eijck, Wilfried Meyer Viol (eds.) *Computational Linguistics in the Netherlands. Papers from the Second CLIN-meeting 1991*. Utrecht: OTS, 40–53, 1992. (Also in: Walter Daelemans, David Powers (eds.) *Background and Experiments in Machine Learning of Natural Language*, 183–196, 1992).
29. Walter Daelemans, Erik-Jan van der Linden. Evaluation of Lexical Representation Formalisms. In: Jan van Eijck, Wilfried Meyer Viol (eds.) *Computational Linguistics in the Netherlands. Papers from the Second CLIN-meeting 1991*, Utrecht: OTS, 54–67, 1992. (Also appeared as ITK Research Memo 14, 1–14, 1992, Tilburg: ITK).
30. Walter Daelemans, Antal van den Bosch. Generalization Performance of Backpropagation Learning on a Syllabification Task. In: M.F.J. Drossaers, A. Nijholt (eds.) *Connectionism and Natural Language Processing*. Proceedings Third Twente Workshop on Language Technology, 27–38, 1992.
31. Walter Daelemans. An Environment for Learning to Program AI Formalisms. In: *Proceedings NATO Advanced Research Workshop on Cognitive Models and Intelligent Environments for Learning Programming*, Genova, Instituto per la Matematica Applicata del C.N.R., 269–272, 1992.
32. Steven Gillis, Gert Durieux, Walter Daelemans, Antal van den Bosch. *Exploring Artificial Learning Algorithms: Learning to Stress Dutch Simplex Words*. Antwerp Papers in Linguistics (APIL) 71, 89 pages, 1992.
33. Walter Daelemans, Antal van den Bosch. De voorleesmachine. *Samsom Informatica Nieuwsbrief*, 2 (9), 10–15, 1992.
34. Antal van den Bosch, Walter Daelemans. Data-oriented methods for grapheme-to-phoneme conversion. *Proceedings of the Sixth conference of the European chapter of the ACL*, ACL, 45–53, 1993. (Also available as ITK Research Report 42, 1993, Tilburg: ITK; and in: Sijtsma, Zweckhors (eds.) *Computational Linguistics in the Netherlands. Papers from the third CLIN-meeting 1992*, Tilburg: ITK, 13–26, 1993).
35. Steven Gillis, Walter Daelemans, Gert Durieux, Antal van den Bosch. Learnability and Markedness: Dutch Stress Assignment. In: *Proceedings of the Fifteenth Annual Conference of the Cognitive Science Society*, Boulder Colorado, USA, Hillsdale: Lawrence Erlbaum Associates, 452–457, 1993. (Also in: Sijtsma, Zweckhorst (eds.) *Computational Linguistics in the Netherlands. Papers from the third CLIN-meeting 1992*, Tilburg: ITK, 39–48, 1993).
36. Walter Daelemans, Antal van den Bosch. TABTALK: Reusability in Data-oriented grapheme-to-phoneme conversion. *Proceedings of Eurospeech*, Berlin, 1459–1466, 1993.
37. Walter Daelemans, Steven Gillis, Gert Durieux, Machine Learning of Natural Language: An Empiricist Alternative to Nativist Theory. In: *Proceedings of Benelearn 1993*, AI-LAB Brussels, 1993.
38. Walter Daelemans, Steven Gillis, Gert Durieux, Antal van den Bosch. Learnability and Markedness in Data-Driven Acquisition of Stress. In: T. Mark Ellison, James M. Scobbie (eds.) *Computational Phonology*. Edinburgh Working Papers in Cognitive Science 8, 1993, 157–178. (Also available as ITK Research Report 43, 1–32, 1993, Tilburg).
39. Walter Daelemans, Antal van den Bosch, Steven Gillis, Gert Durieux, A Data-Driven Approach to Stress Acquisition. In: Pieter Adriaans (ed.) *Workshop Notes Machine Learning Techniques and Text Analysis*, 15–24, Vienna, 1993.
40. Walter Daelemans, Steven Gillis, Antal van den Bosch, Gert Durieux. Learning Linguistic Mappings: An Instance-Based Learning Approach. In: *Conference Abstracts of the ACH-ALLC 1993 International Joint Conference*, Georgetown University Washington, DC, USA, 38–40, 1993.

41. Walter Daelemans, Steven Gillis, Gert Durieux. The Acquisition of Stress, a data-oriented approach. *Computational Linguistics* 20 (3), 421–451, 1994.
42. Walter Daelemans. Review of *Inheritance, Defaults, and the Lexicon*. (Briscoe, de Paiva, Copestake (eds.), *Computational Linguistics* 20 (4), 661–664, 1994.
43. Walter Daelemans, Koenraad De Smedt. Inheritance in an Object-Oriented Representation of Linguistic Categories. *International Journal Human-Computer Studies*, 41, 149–177, 1994.
44. Antal van den Bosch, Alain Content, Walter Daelemans, Bea De Gelder. Measuring the Complexity of Writing Systems. *Journal of Quantitative Linguistics*, 1 (3), 178–188, 1994.
45. Steven Gillis, Walter Daelemans, Gert Durieux. Are Children Lazy Learners? A comparison of natural and machine learning of stress. In: A. Ram, K. Eiselt (eds.) *Proceedings of the Sixteenth Annual Conference of the Cognitive Science Society*, Georgia Institute of Technology, Atlanta, USA, Hillsdale: Lawrence Erlbaum Associates, 369–374, 1994.
46. Walter Daelemans, Steven Gillis, Gert Durieux. Skousen’s analogical modeling algorithm: a comparison with lazy learning. In: D. Jones (ed.) *Proceedings of the International Conference on New Methods in Language Processing (NeMLaP)*, UMIST: Manchester, 1–7, 1994.
47. Walter Daelemans, Antal van den Bosch. A language-independent, data-oriented architecture for grapheme-to-phoneme conversion. In: *Proceedings of the ESCA-IEEE conference on Speech Synthesis*, New York, 199–203, 1994.
48. Antal van den Bosch, Alain Content, Walter Daelemans, Bea De Gelder. Analysing Orthographic Depth of Different Languages using Data-oriented Algorithms. In: *Proceedings Second International Conference on Quantitative Linguistics (Qualico-94)*, Moscow State University, 26–31, 1994.
49. Walter Daelemans, Steven Gillis, Gert Durieux. Skousen’s Analogical Modeling Algorithm. In: J.C. Bioch, S.H. Nienhuys-Cheng (eds.) *Proceedings of the 4th Belgian-Dutch Conference on Machine Learning*, Rotterdam, Report EUR-CS-94-05, 302–310, 1994.
50. Joop van Gent, Walter Daelemans. Automatisch indexereren met gestandaardiseerde thesauri. (Automatic indexing with standardized thesauri.) In: H.J. Croll, J.R. Creutzberg (eds.) *Proceedings 3e Dag van het Document*, De Reehorst, Ede, 19–29, 1994.
51. Walter Daelemans. Zelflerende Systemen voor Spraaksynthese. (Machine Learning systems for speech synthesis.) In: *Document Management*, Samsom nieuwsbrief voor documentaire informatiekunde, 3 (1), 5–8, 1994.
52. Walter Daelemans. Memory-Based Lexical Acquisition and Processing. In: P. Steffens ed.) *Machine Translation and the Lexicon*, Berlin: Springer Lecture Notes in Artificial Intelligence 898, 85–98, 1995. (Also available as ITK Research Report 49, 1–18, 1994).
53. Steven Gillis, Walter Daelemans, Koenraad De Smedt. Artificial Intelligence. In J. Östman, J. Verschuere, J. Blommaert (eds.) *Handbook of Pragmatics*. Amsterdam, Philadelphia: John Benjamins Publishing, 61–80, 1995.
54. Steven Gillis, Gert Durieux, Walter Daelemans. A Computational Model of P&P: Drescher and Kaye (1990) revisited. In: M. Verrips, F. Wijnen (eds.) *Approaches to Parameter Setting*. Amsterdam Studies in Child Language Development, vol 4, 135–173, 1995.
55. Antal Van den Bosch, Ton Weijters, Jaap van den Herik, Walter Daelemans. The profit of learning exceptions. In: *Proceedings of the 5th Belgian-Dutch Conference on Machine Learning*, BENELEARN’95, ULB, Brussels. Technical Report TR/IRIDIA/95-16, 118–126, 1995.
56. Walter Daelemans, Peter Berck, Steven Gillis. Linguistics as Data Mining: Dutch Diminutives. In: T. Andernach, M. Moll, A. Nijholt eds). *CLIN V, Papers from the Fifth CLIN Meeting*, 59–72, 1995.
57. Gert Durieux, Walter Daelemans, Steven Gillis (eds.) *CLIN VI. Papers from the Sixth CLIN Meeting*. Antwerpen: CNTS, 248 pages, ISBN 90-5728-006-X, 1996.
58. Walter Daelemans. Erasmus Network on Natural Language Processing. *T.A.L. traitement automatique des langues* 37 (1), 87–91, 1996.
59. Walter Daelemans, Koenraad De Smedt. Artificial Intelligence Models of Language Processing. In: T. Dijkstra, K. De Smedt (eds.) *Computational Psycholinguistics: AI and Connectionist models of human language processing*. London: Taylor & Francis, 24–48, 1996.
60. Steven Gillis, Gert Durieux, Walter Daelemans. How to Set Parameters: Analysis of a Learning Theory. In: Charlotte Koster, Frank Wijnen (eds.) *Proceedings of the Groningen Assembly on Language Acquisition*. Groningen: Center for Language and Cognition, 217–226, 1996.

61. Walter Daelemans, Jakub Zavrel, Peter Berck, Steven Gillis. MBT: A Memory-Based Part of Speech Tagger-Generator. In: E. Ejerhed, I. Dagan (eds.) *Proceedings of the Fourth Workshop on Very Large Corpora*, Copenhagen, Denmark, 14–27, 1996.
62. Walter Daelemans, Peter Berck, Steven Gillis. Unsupervised Discovery of Phonological Categories through Supervised Learning of Morphological Rules. *Proceedings of the 16th International Conference on Computational Linguistics (COLING-96)*, Copenhagen, Denmark, 95–100, 1996.
63. Antal van den Bosch, Walter Daelemans, Ton Weijters. Morphological Analysis as Classification: an Inductive-Learning Approach. In: K. Oflazer, H. Somers (eds.) *NeMLaP-2. Proceedings of the Second International Conference on New Methods in Language Processing*, Ankara, Turkey, 79–89, 1996.
64. Walter Daelemans. Abstraction Considered Harmful: Lazy Learning of Language Processing. In: J. van den Herik, T. Weijters (eds.) *Benelearn-96. Proceedings of the 6th Belgian-Dutch Conference on Machine Learning*. Matriks: Maastricht, The Netherlands, 3–12, 1996.
65. Walter Daelemans, Jakub Zavrel, Peter Berck, Steven Gillis. Memory-Based Part of Speech Tagging. In: Gert Durieux, Walter Daelemans, Steven Gillis (eds.) *CLIN VI. Papers from the Sixth CLIN Meeting*. Antwerpen: CNTS, 41–62, 1996.
66. Antal van den Bosch, Walter Daelemans, Ton Weijters. An Inductive Learning Approach to Morphological Analysis. In: Gert Durieux, Walter Daelemans, Steven Gillis (eds.) *CLIN VI. Papers from the Sixth CLIN Meeting*. Antwerpen: CNTS, 213–230, 1996.
67. Walter Daelemans, Antal van den Bosch. Language-Independent Data-Oriented Grapheme-to-Phoneme Conversion. In: Jan P. H. van Santen, Richard W. Sproat, Joseph P. Olive, Julia Hirschberg (eds.) *Progress in Speech Synthesis*. New York: Springer Verlag, 77–90, 1996.
68. Walter Daelemans. Experience-driven language acquisition and processing. In: Tim van der Avoird, Mischa Corsius (eds.) *Proceedings of the CLS opening Academic Year 96-97*, 83–95, 1996.
69. Walter Daelemans, Jakub Zavrel. Part-of-Speech tagging of Dutch with MBT, a Memory-Based Tagger Generator. In: K. van der Meer (ed.) *Informatiewetenschap 1996*. Delft: Werkgemeenschap Informatiewetenschap, 33–40, 1996.
70. Walter Daelemans, Ton Weijters, Antal van den Bosch (eds.) *ECML'97 Workshop Notes on Empirical Learning of Natural Language Processing Tasks*. Prague: Laboratory of Intelligent Systems, 146 pages, ISBN 80-7079-380-5, 1997.
71. Walter Daelemans, Peter Flach, Antal van den Bosch (eds.) *BENELEARN-97. Proceedings of the Seventh Belgian-Dutch Conference on Machine Learning*. Tilburg: Tilburg University, 146 pages, 1997.
72. Kris Van Marcke, Walter Daelemans (eds.) *NAIC97. proceedings Ninth Dutch Conference on Artificial Intelligence*. Antwerp: Bolesian, UIA, and NVKI, 518 pages, 1997.
73. Walter Daelemans, Antal Van den Bosch, Ton Weijters. IGTree: Using Trees for Compression and Classification in Lazy Learning Algorithms. *Artificial Intelligence Review* 11, 407–423, 1997.
74. Walter Daelemans, Peter Berck, Steven Gillis. Data Mining as a Method for Linguistic Analysis: Dutch Diminutives. *Folia Linguistica*, XXXI/1-2, 57–75, 1997.
75. Walter Daelemans, Antal van den Bosch, Ton Weijters. Empirical Learning of Natural Language Processing Tasks. In: M. van Someren, G. Widmer (eds.) *Machine Learning: ECML-97, Lecture Notes in Artificial Intelligence 1224*, Berlin: Springer, 337–344, 1997.
76. Walter Daelemans, Antal van den Bosch, Jakub Zavrel. A Feature-Relevance Heuristic for Indexing and Compressing Large Case Bases. In: M. van Someren, G. Widmer (eds.) *9th European Conference on Machine Learning - Poster Papers*. Prague: Laboratory of Intelligent Systems, 29–38, 1997.
77. Jakub Zavrel, Walter Daelemans. Memory-based Learning: Using Similarity for Smoothing. *Proceedings of the 35th Annual Meeting of the Association for Computational Linguistics and the 8th Conference of the European Chapter of the Association for Computational Linguistics*, Madrid, Spain: UNED, 436–443, 1997. [Also in: Walter Daelemans, Ton Weijters, Antal van den Bosch (eds.) *ECML'97 Workshop Notes on Empirical Learning of Natural Language Processing Tasks*. Prague: Laboratory of Intelligent Systems, 71–84, 1997.]
78. Walter Daelemans, Steven Gillis, Gert Durieux. Skousen's Analogical Modeling Algorithm: A comparison with Lazy Learning. In: Daniel Jones and Harry Somers (eds.) *New Methods in Language Processing*, London: University College Press, 3–15, 1997.
79. Jakub Zavrel, Walter Daelemans, Jorn Veenstra. Resolving PP attachment ambiguities with memory-based learning. In: T.M. Ellison (ed.) *Proceedings of CoNLL97: Computational Natural Language Learning*, Madrid, Spain: UNED, 136–144, 1997. [Also in: J. Landsbergen, J. Odiik, K. van Deemter, G. Veldhuijzen van Zanten (eds.) *Computational Linguistics in the Netherlands 1996. Papers from the Seventh CLIN meeting*. Eindhoven: IPO, 207–221, 1997].

1997

80. Antal Van den Bosch, Ton Weijters, Jaap van den Herik, Walter Daelemans. When small disjuncts abound, try lazy learning: a case study. In: Walter Daelemans, Peter Flach, Antal van den Bosch (eds.) *BENELEARN-97. Proceedings of the Seventh Belgian-Dutch Conference on Machine Learning*, 109–118, 1997.
81. Walter Daelemans. Corpusgebaseerde automatische grafeem-foneemomzetting in Fonilex. (Corpus-based automatic phonemisation in Fonilex). In: Fonilex Consortium (eds.), *Fonilex, een uitspraaklexicon voor het Nederlands in Vlaanderen* (Fonilex, a pronunciation lexicon for the Dutch spoken in Flanders), 1–4, 1997.
82. Walter Daelemans. Exemplar-based Language Acquisition and Processing. In: *Proceedings Fifth International Cognitive Linguistics Conference*, Amsterdam, 263–264, 1997.
83. Walter Daelemans, Gert Durieux, Antal van den Bosch. Toward Inductive Lexicons: a Case Study. In: P. Velardi ed.) *Proceedings LREC Workshop on Adapting Lexical and Corpus Resources to Sublanguages and Applications*, Granada, Spain, 29–35, 1998.
84. Walter Daelemans, Antal van den Bosch, Jakub Zavrel, Jorn Veenstra, Sabine Buchholz, Bertjan Busser. Rapid development of NLP modules with memory-based learning. *Proceedings of ELSNET in Wonderland*, Utrecht: ELSNET, 105–113, 1998. [Also in R. Basili, M.T. Paziienza (eds.), *ECML-98 TANLPS Workshop Notes*, Technische Universität Chemnitz, 1–17, 1998.]
85. Walter Daelemans, Jakub Zavrel, Ko van der Sloot, Antal van den Bosch. TiMBL: Tilburg Memory Based Learner, version 1.0, Reference Guide. ILK Technical Report 98-03, 37 pages and software, 1998.
86. Antal van den Bosch, Ton Weijters, Walter Daelemans. Modularity in inductively-learned word pronunciation systems. In: David Powers ed.), *Proceedings of NeMLaP3/CoNLL98*, Sydney, Australia, 185–194, 1998.
87. Antal van den Bosch, Walter Daelemans. Do not forget: Full memory in memory-based learning of word pronunciation. In: David Powers ed.), *Proceedings of NeMLaP3/CoNLL98*, Sydney, Australia, 195–204, 1998.
88. Hans van Halteren, Jakub Zavrel, Walter Daelemans. Improving Data Driven Wordclass Tagging by System Combination. *Proceedings of the 36th annual meeting of the Association for Computational Linguistics and the 17th international conference on Computational Linguistics*, Montreal, Canada, 491–497, 1998.
89. Walter Daelemans. Toward an exemplar-based computational model for cognitive grammar. in Johan van der Auwera, Frank Durieux, Ludo Lejeune (eds.) *English as a Human Language. To honour Louis Goossens*. München: LINCOM Europa, 73–82, 1998.
90. Walter Daelemans, Jakub Zavrel, Ko van der Sloot, Antal van den Bosch. TiMBL: Tilburg Memory Based Learner, version 2.0, Reference Guide. ILK Technical Report 99-01, 48 pages and software, 1999.
91. Walter Daelemans, Jakub Zavrel, Antal van den Bosch. Forgetting exceptions is harmful in language learning. *Machine Learning* 34, 11–41, 1999.
92. Jakub Zavrel, Walter Daelemans. Recent Advances in Memory-Based Part-of-Speech Tagging. *Proceedings VI Simposio Internacional de Comunicacion Social*, Santiago de Cuba, 590–597, 1999.
93. Walter Daelemans, Sabine Buchholz, Jorn Veenstra. Memory-Based Shallow Parsing. In: Miles Osborne, Erik Tjong Kim Sang (eds.) *Proceedings of CoNLL-99. Computational Natural Language Learning*, Bergen, Norway, 53–60, 1999.
94. Sabine Buchholz, Jorn Veenstra, Walter Daelemans. Cascaded Grammatical Relation Assignment. *Proceedings of EMNLP/VLC-99*, University of Maryland, USA, 239–246, 1999.
95. Antal van den Bosch, Walter Daelemans. Memory-based morphological analysis. *Proceedings of the 37th Annual Meeting of the Association for Computational Linguistics*, University of Maryland, USA, 285–292, 1999.
96. Walter Daelemans. (guest ed.) *Memory-Based Language Processing*. Special Issue of *Journal of Experimental and Theoretical Artificial Intelligence* 11 (3), 287–467, 1999.
97. Walter Daelemans. Memory-based language processing. Introduction. *Journal of Experimental and Theoretical Artificial Intelligence* 11 (3), 287–292, 1999.
98. Walter Daelemans. Machine Learning Approaches. Chapter 17 in: Van Halteren ed.) *Syntactic Wordclass Tagging*, Kluwer Academic Publishers, 285–304, 1999.
99. Bertjan Busser, Walter Daelemans, Antal van den Bosch. Machine learning of word pronunciation: the case against abstraction. In *Proceedings of the Sixth European Conference on Speech Communication and Technology, Eurospeech'99*, Budapest, Hungary, 2123–2126, 1999.
100. Gert Durieux, Walter Daelemans, Steven Gillis. On the arbitrariness of lexical categories. In: F. Van Eynde, I. Schuurman, N. Schelkens (eds.) *Computational Linguistics in the Netherlands 1998*, Amsterdam-Atlanta: Rodopi, 19–36, 1999.

1998

1999

101. Jorn Veenstra, Antal van den Bosch, Sabine Buchholz, Walter Daelemans, Jakub Zavrel. Memory-Based Word Sense Disambiguation. In: F. Van Eynde, I. Schuurman, N. Schelkens (eds.) *Computational Linguistics in the Netherlands 1998*, Amsterdam-Atlanta: Rodopi, 81–92, 1999.
102. Walter Daelemans, Jakub Zavrel, Ko van der Sloot, Antal van den Bosch. TiMBL: Tilburg Memory Based Learner, version 3.0, Reference Guide. ILK Technical Report 00-01, 2000.
103. Antal van den Bosch, Walter Daelemans. A Distributed, Yet Symbolic Model of Text-to-Speech Processing. In: P. Broeder and J.M.J. Murre (eds.) *Models of Language Acquisition: inductive and deductive approaches*. Oxford University Press, 55–75, 2000.
104. Steven Gillis, Walter Daelemans, Gert Durieux. Lazy Learning: A comparison of Natural and Machine Learning of Stress. In: P. Broeder and J.M.J. Murre (eds.) *Models of Language Acquisition: inductive and deductive approaches*. Oxford University Press, 76–99, 2000.
105. Guy De Pauw, Walter Daelemans. A short introduction to GRAEL Grammar Adaptation, Evolution and Learning. In: Desalles, Ghadakpour (eds.), *Proceedings The evolution of Language*, 72–76, 2000.
106. Walter Daelemans, Gert Durieux. Inductive Lexica. In: Van Eynde, Gibbon (eds.) *Lexicon Development for Speech and Language Processing*, Kluwer Academic Publishers, 115–139, 2000.
107. Jorn Veenstra, Antal van den Bosch, Sabine Buchholz, Walter Daelemans, Jakub Zavrel. Memory-based word sense disambiguation. *Computing in the Humanities* 34 (1/2): 171–177, 2000.
108. Jakub Zavrel, Walter Daelemans. Bootstrapping a Tagged Corpus through Combination of Existing Heterogeneous Taggers. *Proceedings of the Second International Conference on Language Resources and Evaluation (LREC-2000)*, Athens, Greece: ELRA, 17–20, 2000.
109. Frank Van Eynde, Jakub Zavrel, Walter Daelemans. Part of Speech Tagging and Lemmatisation for the Spoken Dutch Corpus. *Proceedings of the Second International Conference on Language Resources and Evaluation (LREC-2000)*, Athens, Greece: ELRA, 1427–1434, 2000.
110. Frank Van Eynde, Jakub Zavrel, Walter Daelemans. Lemmatisation and morphosyntactic annotation for the Spoken Dutch Corpus. In: Paola Monachesi ed.) *Computational Linguistics in the Netherlands 1999. Selected papers from the Tenth CLIN Meeting*, Utrecht, OTS, 53–62, 2000.
111. Véronique Hoste, Walter Daelemans, Erik Tjong Kim Sang, Steven Gillis. Meta-Learning for Phonemic Annotation of Corpora. *Proceedings of the 17th International Conference on Machine Learning*, 375–382, 2000.
112. Véronique Hoste, Steven Gillis, Walter Daelemans. A Rule Induction Approach to Modeling Regional Pronunciation Variation. *Proceedings of the 18th International Conference on Computational Linguistics*, Saarbrücken, Germany, 327–333, 2000.
113. Erik Tjong Kim Sang, Walter Daelemans, Hervé Déjean, Rob Koeling, Yuval Krymolowski, Vasin Punyakanok, Dan Roth. Applying System Combination to Base Noun Phrase Identification. *Proceedings of the 18th International Conference on Computational Linguistics*, Saarbrücken, Germany, 857–863, 2000.
114. Walter Daelemans, Guy De Pauw, Gert Durieux, Steven Gillis, Véronique Hoste, Erik Tjong Kim Sang. Zelflerende systemen als instrument voor de taalkunde en de taaltechnologie. (Machine Learning as a Tool for Linguistics and Language Technology.) In: Steven Gillis, Jan Nuyts, Johan Taeldeman (eds.) *Met Taal om de Tuin geleid*, Antwerpen, UIA, 81–94, 2000.
115. Dominiek Sandra, Steven Frisson, Gert Durieux, Walter Daelemans, Steven Gillis. Hij drinkt niet altijd ‘t’ en ik drink er soms wèl: Bronnen van hardnekkige werkwoordfouten in het Nederlands. (Sources of persistent verb errors in Dutch.) In: Steven Gillis, Jan Nuyts, Johan Taeldeman (eds.) *Met Taal om de Tuin geleid*, Antwerpen, UIA, 281–296, 2000.
116. Claire Cardie, Walter Daelemans, Claire Nédellec, Erik Tjong Kim Sang eds). *Proceedings of the Fourth Conference on Computational Natural Language Learning and of the Second Learning Language in Logic Workshop*, 13-14 September, Lisbon, Portugal, 226 pages, 2000.
117. Guy De Pauw, Walter Daelemans. The Role of Algorithm Bias vs Information Source in Learning Algorithms for Morphosyntactic Disambiguation. *Proceedings of the Fourth Conference on Computational Language Learning (CoNLL-2000)*, Lissabon, Portugal, 19–24, 2000.
118. Anne Kool, Walter Daelemans, Jakub Zavrel. Genetic Algorithms for Feature Relevance Assignment in Memory-Based Language Processing. *Proceedings of the Fourth Conference on Computational Language Learning (CoNLL-2000)*, Lissabon, Portugal, 103–106, 2000.

119. Véronique Hoste, Steven Gillis, Walter Daelemans. Machine learning for modeling Dutch pronunciation variation. In: Paola Monachesi ed.) *Computational Linguistics in The Netherlands 1999. Selected papers from the Tenth CLIN Meeting*, Utrecht, OTS, 73–84, 2000.
120. Guy De Pauw, Walter Daelemans. Data-Driven GRAEL: a distributed, evolutionary computing approach to grammar induction and optimization. In: Bart de Boer, Paul Vogt (eds.) *Bene-Evolang 2000*, Brussels, 13–20, 2000.
121. Jakub Zavrel, Sven Degroeve, Anne Kool, Walter Daelemans, Kristiina Jokinen. Diverse classifiers for NLP disambiguation tasks. Comparisons, Optimization, Combination, and Evolution. In: Jokinen, Heylen, Nijholt (eds.) *TWLT 18. Learning to Behave. CEvoLE 2*, Ieper, Belgium, 201–221, 2000.
122. Véronique Hoste, Walter Daelemans, Erik Tjong Kim Sang, Steven Gillis. Meta-learning for phonemic annotation of corpora. In: Antal van den Bosch, Hans Weigand (eds.) *Proceedings of the Twelfth Belgium-Netherlands Artificial Intelligence Conference*, Tilburg, The Netherlands, 331–332, 2000.
123. Anne Kool, Jakub Zavrel, Walter Daelemans. Simultaneous feature selection and parameter optimization for memory-based natural language processing. In: Ad Feelders ed.) *BENELEARN 2000. Proceedings of the Tenth Belgian-Dutch Conference on Machine Learning*. Tilburg University, Tilburg, The Netherlands, 93–100, 2000.
124. Véronique Hoste, Walter Daelemans. Comparing bagging and boosting for natural language processing tasks: a typicality approach. In: Ad Feelders ed.) *BENELEARN 2000. Proceedings of the Tenth Belgian-Dutch Conference on Machine Learning*. Tilburg University, Tilburg, The Netherlands, 101–109, 2000.
125. Hans Van Halteren, Jakub Zavrel, Walter Daelemans. Improving Accuracy in NLP through Combination of Machine Learning Systems. *Computational Linguistics* 27 (2), 199–230, 2001.
126. Walter Daelemans. Review of *Learnability in Optimality Theory*. (Bruce Tesar, Paul Smolensky), *Computational Linguistics* 27 (2), 316–317, 2001.
127. Walter Daelemans, Jakub Zavrel, Ko van der Sloot, Antal van den Bosch. TiMBL: Tilburg Memory Based Learner, version 4.0, Reference Guide. ILK Technical Report 01-04, 49 pages, 2001.
128. Bertjan Busser, Walter Daelemans, Antal van den Bosch. Predicting phrase breaks with memory-based learning. *Proceedings 4th ISCA Tutorial and Research Workshop on Speech Synthesis*. Perthshire Scotland, 29–34, 2001.
129. Laura Maruster, Wil van der Aalst, Ton Weijters, Antal van den Bosch, Walter Daelemans. Automatic Discovery of Workflow Models from Hospital Data. In: B. Kröse, M. de Rijke, G. Schreiber, M. van Someren, (eds.) *Proceedings BNAIC-01*, Amsterdam, October 25-26, 183–190, 2001.
130. Walter Daelemans, Antal van den Bosch. TreeTalk: Memory-Based Word Phonemisation. In: R. I. Damper ed.) *Data-Driven Techniques in Speech Synthesis*. Kluwer Academic Publishers, 149–172, 2001.
131. Walter Daelemans, Rémi Zajac (eds.) *Proceedings of the fifth computational natural language learning workshop (CoNLL-2001)*, ACL: Toulouse, France, July 6-7th, 168 pages, 2001.
132. Walter Daelemans, Khalil Sima'an, Jorn Veenstra, Jakub Zavrel (eds.) *Computational Linguistics in the Netherlands 2000. Selected Papers from the Eleventh CLIN Meeting*. Amsterdam, New York: Rodopi. ISBN 90-420-1257-9. 204 pages, 2001.
133. Sabine Buchholz, Walter Daelemans. SHAPAQA: Shallow Parsing for Question Answering on the World Wide Web. In: Galia Angelova et al. (eds.) *Proceedings Euroconference Recent Advances in Natural Language Processing*, Tsigov Chark, Bulgaria, 5-7 September, 47–51, 2001.
134. Bart Decadt, Jacques Duchateau, Walter Daelemans, Patrick Wambacq. Phoneme-to-grapheme conversion for out-of-vocabulary words in large vocabulary speech recognition. *ASRU 2001 Automatic Speech Recognition and Understanding Workshop Proceedings*. IEEE CD-rom (IEEE Catalog Number 01EX544, ISBN 0-7803-7343-X), Trento, Italy, 9-13 December, 4 pages, 2001.
135. Catia Cucchiarini, Walter Daelemans, Helmer Strik. Strengthening the Dutch Human Language Technology Infrastructure. *The ELRA Newsletter*, Vol 6 (4), 3–7, 2001.
136. Sabine Buchholz, Walter Daelemans. Complex answers: a case study using a WWW question answering system. *Natural Language Engineering* 7 (4), 301–323, 2001.
137. Véronique Hoste, Anne Kool, Walter Daelemans. Classifier Optimization and Combination in the English All Words Task. In: Judita Preiss, David Yarowsky (eds.) *Proceedings of SENSEVAL-2. Second International Workshop on Evaluating Word Sense Disambiguation Systems*. New Brunswick: ACL, 83–86, 2001.
138. James Hammerton, Miles Osborne, Susan Armstrong, Walter Daelemans (eds.) *Special issue on Machine Learning Approaches to Shallow Parsing. Journal of Machine Learning Research* 2, 551–719, 2002.

2001

2002

139. James Hammerton, Miles Osborne, Susan Armstrong, Walter Daelemans. Introduction to the Special issue on Machine Learning Approaches to Shallow Parsing. *Journal of Machine Learning Research* 2, 551–558, 2002.
140. Laura Maruster, Ton Weijters, Geerhard de Vries, Antal van den Bosch, Walter Daelemans. Logistic-based patient grouping for multi-disciplinary treatment. *Artificial Intelligence in Medicine* 26, 87–107, 2002.
141. Walter Daelemans. Review of *Knowledge and learning in language*. (Charles D, Yang), *Glott International* 6 (5), 137–142, 2002.
142. Iris Hendrickx, Antal van den Bosch, Véronique Hoste, Walter Daelemans. Dutch Word Sense Disambiguation: Optimizing the Localness of Context. In: Phil Edmonds, Rada Mihalcea, Patrick Saint-Dizier (eds.) *Word Sense Disambiguation: Recent Successes and Future Directions*. New Brunswick: ACL, 61–66, 2002.
143. Véronique Hoste, Walter Daelemans, Iris Hendrickx, Antal van den Bosch. Evaluating the Results of a Memory-Based Word-Expert Approach to Unrestricted Word Sense Disambiguation. In: Phil Edmonds, Rada Mihalcea, Patrick Saint-Dizier (eds.) *Word Sense Disambiguation: Recent Successes and Future Directions*. New Brunswick: ACL, 95–101, 2002.
144. Fien De Meulder, Walter Daelemans, Véronique Hoste. A Named Entity Recognition System for Dutch. In: M. Theune, A. Nijholt, H. Hondrop (eds.) *Computational Linguistics in the Netherlands 2001. Selected Papers from the Twelfth CLIN Meeting*, Amsterdam, New York: Rodopi, 77–88, 2002.
145. Bart Decadt, Jacques Duchateau, Walter Daelemans, Patrick Wambacq. Memory-Based Phoneme-to-Grapheme Conversion. In: M. Theune, A. Nijholt, H. Hondrop (eds.) *Computational Linguistics in the Netherlands 2001. Selected Papers from the Twelfth CLIN Meeting*, Amsterdam, New York: Rodopi, 47–61, 2002.
146. Walter Daelemans, Helmer Strik (eds.) *Actieplan voor het Nederlands in de taal- en spraaktechnologie: prioriteiten voor basisvoorzieningen* (Action Plan for Dutch in Language and Speech technology: Priorities for Basic Resources), Report for the Nederlandse Taalunie, 165 pages, 2002. .
147. Helmer Strik, Walter Daelemans, Diana Binnenpoorte, Janienke Sturm, Folkert De Vriend, Catia Cucchiari. Dutch HLT resources: From BLARK to priority lists. *Proceedings of ICSLP-2002*, Denver, USA, 1549–1552, 2002.
148. Diana Binnenpoorte, Folkert De Vriend, Janienke Sturm, Walter Daelemans, Helmer Strik, Catia Cucchiari. A Field Survey for Establishing Priorities in the Development of HLT Resources for Dutch. *Proceedings of LREC-2002, the third International Language Resources and Evaluation Conference*, Las Palmas, Spain, 1862–1866, 2002.
149. Erwin Marsi, Bertjan Busser, Walter Daelemans, Véronique Hoste, Martin Reynaert, Antal van den Bosch. Combining information sources for memory-based pitch accent placement. *Proceedings of ICSLP-2002, International Conference on Spoken Language Processing*, Denver, USA, 1273–1276, 2002.
150. Bart Decadt, Jacques Duchateau, Walter Daelemans, Patrick Wambacq. Transcription of Out-of vocabulary Words in Large Vocabulary Speech Recognition based on Phoneme-to-grapheme Conversion. *Proceedings of ICASSP-02, the International Conference on Acoustics, Speech and Signal Processing*, Volume I, Orlando, USA, 861–864, 2002.
151. Walter Daelemans, Véronique Hoste. Evaluation of Machine Learning Methods for Natural Language Processing Tasks. *Proceedings of LREC-2002, the third International Conference on Language Resources and Evaluation*, Las Palmas, Spain, 755–760, 2002.
152. Evelyn Martens, Walter Daelemans, Steven Gillis, Helena Taelman. Where do syllables come from? In: W. Gray, C. Schunn (eds.) *Proceedings of the Twenty-Fourth Annual Conference of the Cognitive Science Society*, Fairfax, Virginia, George Mason University, 657–664, 2002.
153. Walter Daelemans, Jakub Zavrel, Antal van den Bosch, Ko van der Sloot. *MBT: Memory Based Tagger, version 1.0, Reference Guide*. ILK Technical Report 02-09, 12 pages, 2002.
154. Walter Daelemans, Jakub Zavrel, Ko van der Sloot, Antal van den Bosch. *TiMBL: Tilburg Memory Based Learner, version 4.3, Reference Guide*. ILK Technical Report 02-10, 49 pages, 2002.
155. Walter Daelemans. A comparison of analogical modeling to memory-based language processing. In: R. Skousen, D. Lonsdale, D. Parkinson (eds.). *Analogical Modeling*. Amsterdam: John Benjamins, 157–179, 2002.
156. Véronique Hoste, Iris Hendrickx, Walter Daelemans, Antal van den Bosch. Parameter Optimization for Machine-Learning of Word Sense Disambiguation. *Natural Language Engineering, Special Issue on Word Sense Disambiguation Systems*, 311–325, 2002.
157. Marie-Laure Reinberger, Walter Daelemans. Is shallow parsing useful for the unsupervised learning of semantic clusters? In: Alexander Gelbukh (ed.) *Proceedings of the 4th Conference on Intelligent Text Processing and Computational Linguistics (CICLing 2003)*, Mexico City, Mexico, Lecture Notes in Computer Science 2588, Springer Verlag, 304–313, 2003.

158. Walter Daelemans, Miles Osborne (eds.) *Proceedings of the Seventh Conference on Natural Language Learning*. Edmon-
ton, Canada, ACL, 212 pages, ISBN 1-932432-08-6, 2003.
159. Fien De Meulder, Walter Daelemans. Memory-Based Named Entity Recognition using Unannotated Data. *Proceedings
of the Seventh Conference on Natural Language Learning*, 208–211, 2003.
160. An De Sitter, Walter Daelemans. Information Extraction via Double Classification. *Proceedings of the International
Workshop on Adaptive Text Extraction and Mining*. Catvat-Dubrovnik, Croatia, 66–73, September 2003. [Also: Depart-
ment of Mathematics and Computer Science, University of Antwerp, Technical Report 2003-06.]
161. Marie-Laure Reinberger, Peter Spyns, Walter Daelemans, Robert Meersman. Mining for lexons: applying unsupervised
learning methods to create ontology bases. In: Robert Meersman, Zahir Tari, Douglas Schmidt (eds.) *On the Move to
Meaningful Internet Systems 2003: CoopIS, DOA, and ODBASE*, Lecture Notes in Computer Science 2888, Springer-
Verlag, Catania, Italy, 803–819, 2003.
162. Erwin Marsi, Martin Reynaert, Antal van den Bosch, Walter Daelemans, Véronique Hoste. Learning to predict pitch
accents and prosodic boundaries in Dutch. *Proceedings of the 41st Annual Meeting of the Association for Computational
Linguistics*, Sapporo, Japan, 489–496, 2003.
163. Karen Schauwers, Steven Gillis, Carina De Beukelaer, Walter Daelemans, Frans Offeciens, Paul Govaerts. Cochleaire
implantatie tussen 5 en 20 maanden: De onset van brabbelen en de audiologische outcome. *Logopedie* 16, 113–123, 2003.
164. Walter Daelemans, Véronique Hoste, Fien De Meulder, Bart Naudts. Combined Optimization of Feature Selection and
Algorithm Parameter Interaction in Machine Learning of Language. *Proceedings of the 14th European Conference on
Machine Learning (ECML-2003)*, Lecture Notes in Computer Science 2837, Springer-Verlag, Cavtat-Dubrovnik, Croatia,
84–95, 2003.
165. Jakub Zavrel, Walter Daelemans. Feature-Rich Memory-Based Classification for Shallow NLP and Information Ex-
traction. In: Jürgen Franke, Gholamreza Nakhaeizadeh, Ingrid Renz (eds.), *Text Mining, Theoretical Aspects and
Applications*, Springer Physica-Verlag, 33–54, 2003.
166. Walter Daelemans, Jakub Zavrel, Ko van der Sloot, Antal van den Bosch. TiMBL: Tilburg Memory Based Learner,
version 5.0, Reference Guide. ILK Research Group Technical Report Series 03-10, 56 pages, 2003.
167. Walter Daelemans, Jakub Zavrel, Antal van den Bosch, Ko van der Sloot. MBT: Memory Based Tagger, version 2.0,
Reference Guide. ILK Research Group Technical Report Series 03-13, 16 pages, 2003.
168. Laura Maruster, Ton Weijters, Antal van den Bosch, Walter Daelemans. Discovering process models by rule set induction.
Proceedings of the 5th International Workshop on Symbolic and Numeric Algorithms for Scientific Computing, Timisoara,
Romania, 180–191, 2003.
169. Véronique Hoste, Walter Daelemans, Steven Gillis. Using rule-induction techniques to model pronunciation variation in
Dutch. *Computer Speech and Language* 18 (1), 1–23, 2004.
170. Erik Tjong Kim Sang, Walter Daelemans, Anja Höthker. Reduction of Dutch Sentences for Automatic Subtitling. In:
Bart Decadt, Véronique Hoste, Guy De Pauw (eds). *Computational Linguistics in the Netherlands 2003. Antwerp Papers
in Linguistics*, 111, 109–123, 2004.
171. York Sure, Asunción Gómez-Pérez, Walter Daelemans, Marie-Laure Reinberger, Nicola Guarino, Natalya Noy. Why
Evaluate Ontology Technologies? Because It Works! *IEEE Intelligent Systems, Trends & Controversies*, 19 (4), 74–81,
Jul/Aug 2004.
172. Walter Daelemans, Review of *Recent Advances in Example-based Machine Translation*. (Michael Carl and Andy Way,
eds.), *Computational Linguistics* 30 (4), 516–520, 2004.
173. Guy De Pauw, Tom Laureys, Walter Daelemans, Hugo Van hamme. A Comparison of Two Different Approaches to Morp-
hological Analysis of Dutch. *Proceedings of the ACL 2004 Workshop on Current Themes in Computational Phonology
and Morphology*, 62–69, Barcelona, Spain, July 2004.
174. Walter Daelemans, Anja Höthker, Erik Tjong Kim Sang. Automatic Sentence Simplification for Subtitling in Dutch
and English. *Proceedings of the 4th International Conference on Language Resources and Evaluation (LREC 2004)*,
1045–1048, Lisbon, 2004.
175. Stelios Piperidis, Iason Demiros, Prokopis Prokopidis, Peter Vanroose, Anja Höthker, Walter Daelemans, Elsa Sklavounou,
Manos Konstantinou, Yannis Karavidas. Multimodal Multilingual Resources in the Subtitling Process. *Proceedings of
the 4th International Conference on Language Resources and Evaluation (LREC 2004)*, 205–208, Lisbon, 2004.
176. Marie-Laure Reinberger, Walter Daelemans. Unsupervised Text Mining for Ontology Extraction: An Evaluation of
Statistical Measures. *Proceedings of the 4th International Conference on Language Resources and Evaluation (LREC
2004)*, 491–494, Lisbon, 2004.

177. An De Sitter, Toon Calders, Walter Daelemans, A formal framework Discovering process models by rule set induction for evaluation of information extraction. Technical Report, University of Antwerp, Dept. of Mathematics and Computer Science, TR 2004-04, 12 pages, 2004.
178. Bart Decadt, Véronique Hoste, Walter Daelemans, Antal van den Bosch, GAMBL Genetic Algorithm Optimization of Memory-Based WSD. *Proceedings of the Third International Workshop on the Evaluation of Systems for the Semantic Analysis of Text (Senseval-3)*, 108–112, 2004.
179. Bart Decadt, Walter Daelemans. Verb Classification - Machine Learning Experiments in Classifying Verbs into Semantic Classes. *Proceedings of the LREC 2004 Workshop Beyond Named Entity Recognition - Semantic Labelling for NLP Tasks*, 25–30, 2004.
180. Walter Daelemans. Computational Linguistics. In: G. Booij, Ch. Lehmann, J. Mugdan (eds.) *Morphology. A Handbook on Inflection and Word Formation*, Berlin and New York: Walter De Gruyter, 1893–1900, 2004.
181. Marie-Laure Reinberger, Peter Spyns, A. Johannes Pretorius, Walter Daelemans, Automatic Initiation of an Ontology. *Proceedings of ODBase'04*, Ayia Napa, Cyprus, Lecture Notes in Computer Science, Springer-Verlag, 600–617, 2004.
182. Antal Van den Bosch, Sander Canisius, Walter Daelemans, Iris Hendrickx, Erik Tjong Kim Sang. Memory-based semantic role labeling: Optimizing features, algorithm, and output. *Proceedings of CoNLL-2004*, Boston, MA, USA, 102–105, 2004.
183. Tom Laureys, Guy De Pauw, Hugo Van Hamme, Walter Daelemans, Dirk Van Compennolle. Evaluation and adaptation of the Celex Dutch morphological database. *Proceedings of the 4th International Conference on Language Resources and Evaluation (LREC 2004)*, 1247–1250, 2004.
184. Walter Daelemans, Jakub Zavrel, Ko van der Sloot, Antal van den Bosch. *TiMBL: Tilburg Memory-Based Learner, version 5.1, Reference Guide*. ILK Research Group Technical Report Series no. 04-02, 60 pages, 2004.
185. Walter Daelemans, Antal van den Bosch. *Memory-Based Language Processing* Cambridge, UK: Cambridge University Press, ISBN 9780521808903, 2005.
186. Walter Daelemans. Machine Learning of Natural Language. In: G. Altmann, R. Köhler, R. Piotrowski (eds.) *Quantitative Linguistics. An international handbook*, Berlin and New York: Walter De Gruyter, 821–833, 2005.
187. Antal van den Bosch, Walter Daelemans. Improving sequence segmentation learning by predicting trigrams. *Proceedings of the Ninth Conference on Natural Language Learning, CoNLL-2005*, June 29-30, 2005, Ann Arbor, MI, 80–87, 2005. [Also in Proceedings BNAIC 2005: 389–390].
188. Sander Canisius, Antal van den Bosch, Walter Daelemans. Rule meta-learning for trigram-based sequence processing. In: J. Cussens, C. Nedellec (eds.) *Proceedings of the Fourth Learning Language in Logic Workshop*, 3–10, Bonn, August 2005.
189. Walter Daelemans, Theo du Plessis, Cobus Snyman, Lut Teck (eds.), *Multilingualism and Electronic Language Management. Proceedings of the 4th International MIDP Colloquium*, 22-23 September 2003, Bloemfontein, South Africa (Studies in Language Policy in South Africa 4). Pretoria: Van Schaik Publishers, 2005, ISBN: 062702601X
190. Véronique Hoste, Walter Daelemans. Learning Dutch Coreference Resolution.’ In: Ton van der Wouden, Michaela Poss, Hilke Reckman, Crit Cremers (eds.) *Computational Linguistics in the Netherlands 2004. Selected papers from the fifteenth CLIN meeting*, Utrecht: LOT, 133–148, 2005.
191. Kim Luyckx, Walter Daelemans. Shallow Text Analysis and Machine Learning for Authorship Attribution. In: Ton van der Wouden, Michaela Poss, Hilke Reckman, Crit Cremers (eds.) *Computational Linguistics in the Netherlands 2004. Selected papers from the fifteenth CLIN meeting*, Utrecht: LOT, 149–160, 2005.
192. Véronique Hoste, Walter Daelemans. Comparing Learning Approaches to Coreference Resolution. There is More to it Than ‘Bias’. *Proceedings of the Workshop on Meta-Learning (held in conjunction with ICML-2005)*, Bonn, Germany, 20–27, 2005.
193. Walter Daelemans, Diana Binnenpoorte, Folkert de Vriend, Janienke Sturm, Helmer Strik, Catia Cucchiari. Establishing priorities in the development of HLT resources: the Dutch-Flemish experience. In: W. Daelemans, T. du Plessis, C. Snyman, L. Teck (eds.), *Multilingualism and Electronic Language Management. Proceedings of the 4th International MIDP Colloquium*, 22-23 September 2003, Bloemfontein, South Africa (Studies in Language Policy in South Africa 4). Pretoria: Van Schaik Publishers, 9–23, 2005.
194. Hoste Véronique, Walter Daelemans. Comparing learning approaches to language learning: there is more to it than bias. *Proceedings of Benelearn 2006*, Ghent, Belgium, 131–138, 2006.
195. Sander Canisius, Antal van den Bosch, Walter Daelemans. Discrete versus probabilistic sequence classifiers for domain-specific entity chunking. *Proceedings of the Eighteenth Belgian-Dutch Conference on Artificial Intelligence*, BNAIC-2006, Namur, Belgium, 75–82, 2006.

2005

2006

196. Oren Glickman, Ido Dagan, Walter Daelemans, Mikaela Keller, Sammy Bengio. Investigating lexical substitution scoring for subtitle generation. *Proceedings of the Tenth Conference on Natural Language Learning (CoNLL-X)*, New York City, USA, June 8-9, 45–52, 2006.
197. Walter Daelemans. A mission for computational natural language learning. *Proceedings of the Tenth Conference on Natural Language Learning (CoNLL-X)*, New York City, USA, June 8-9, 1–5, 2006.
198. Joris Vaneyghen, Guy de Pauw, Dirk van Compernelle, Walter Daelemans. A mixed word/morphological approach for extending CELEX for high coverage on contemporary large corpora. *Proceedings of the 5th International Conference on Language Resources and Evaluation (LREC 2006)*, Genova, ILC, Italy, 931–934, 2006.
199. Sander Canisius, Antal van den Bosch, Walter Daelemans. Constraint Satisfaction Inference: Non-probabilistic global inference for sequence labelling. *Proceedings of the EACL 2006 Workshop on Learning Structured Information in Natural Language Applications*, Trento, Italy, 9–16, 2006.
200. Kim Luyckx, Walter Daelemans, Edward Vanhoutte. Stylogenetics: clustering-based stylistic analysis of literary corpora. *Proceedings of the 5th International Conference on Language Resources and Evaluation (LREC 2006), Workshop Towards Computational Models of Literary Analysis*, Genova, ILC, Italy, 30–35, 2006.
201. Antal van den Bosch, Bertjan Busser, Sander Canisius, Walter Daelemans. An efficient memory-based morphosyntactic tagger and parser for Dutch. In: Peter Dirix et al. (eds.) *Computational Linguistics in the Netherlands 2006. Selected papers from the seventeenth CLIN meeting*, LOT, Utrecht, 191–206, 2007.
202. Iris Hendrickx, Walter Daelemans. Adding Semantic Information: Unsupervised Clusters for Coreference Resolution. In: Maarten van Someren et al. (eds), *Workshop Notes on Machine Learning for Natural Language Processing*, Amsterdam, The Netherlands, 14–15, 2007.
203. Véronique Hoste, Iris Hendrickx, Walter Daelemans. Disambiguation of the neuter pronoun and its effect on pronominal coreference resolution. In: *Text, Speech and Dialogue. Proceedings of the 10th International Conference TSD 2007*, Plzen, Czech Republic, Springer Lecture Notes in Computer Science Volume 4629, Berlin, Heidelberg: Springer, 48–55, 2007.
204. Iris Hendrickx, Véronique Hoste, Walter Daelemans. Evaluating hybrid versus data-driven coreference resolution. *Anaphora: Analysis, Algorithms and Applications*. Lecture Notes in Computer Science Volume 4410, Berlin, Heidelberg: Springer Verlag, 137–150, 2007.
205. Walter Daelemans, Antal van den Bosch. Dat gebeurt mei niet: Computationale modellen voor verwarbare homofonen. (Computational models of confusable homophones.) In: Dominiek Sandra et al. (eds), *Tussen Taal, Spelling en Onderwijs*, Gent: Academia Press, 199–210, 2007.
206. Emmanuel Keuleers, Walter Daelemans. Memory-Based Learning Models of Inflectional Morphology: A Methodological Case Study. *Lingue e Linguaggio*, VI.2, 151–174, 2007.
207. Emmanuel Keuleers, Dominiek Sandra, Walter Daelemans, Steven Gillis, Gert Durieux, Evelyn Martens. Dutch plural inflection: the exception that proves the analogy. *Cognitive Psychology*, 54:4, 283–318, 2007.
208. Walter Daelemans, Bart Goethals, Katharina Morik. Guest editors' introduction: special issue of selected papers from ECML PKDD 2008. *Machine learning*, 72:3, 155–156, 2008.
209. Walter Daelemans, Bart Goethals, Katharina Morik. Guest editors' introduction: special issue of selected papers from ECML PKDD 2008. *Data mining and knowledge discovery*, 17:1, 1–2, 2008.
210. Kim Luyckx, Walter Daelemans. Authorship attribution and verification with many authors and limited data. *Proceedings of the 22nd International Conference on Computational Linguistics (COLING 2008)*, Manchester, 513–520, 2008. [A compressed version appears in *Proceedings of the 20th Belgian-Netherlands Conference on Artificial Intelligence (BNAIC 2008)*, Enschede, 335–336, 2008]
211. Iris Hendrickx, Walter Daelemans, Kim Luyckx, Roser Morante, Vincent Van Asch. CNTS: memory-based learning of generating repeated references. *Proceedings of the 5th International Natural Language Generation Conference (INLG 2008)*, Salt Fork, Ohio, USA, June 12-14, 194–195, 2008.
212. Roser Morante, Walter Daelemans, Vincent Van Asch. A combined memory-based semantic role labeler of English. *Proceedings of the 12th Conference on Computational Natural Language Learning*, 208–212, 2008.
213. Iris Hendrickx, Gosse Bouma, Frederik Coppens, Walter Daelemans, Véronique Hoste, Geert Kloosterman, Anne-Marie Mineur, Joeri van der Vloet, Jean-Luc Verschelde. Coreference resolution for extracting answers for Dutch. *Proceedings of LREC, the Sixth International Language Resources and Evaluation Conference*, Marrakech, Morocco, 144–149, 2008.

2007

2008

214. Kim Luyckx, Walter Daelemans. Personae: a corpus for author and personality prediction from text. *Proceedings of LREC-2008, the Sixth International Language Resources and Evaluation Conference*, Marrakech, Morocco, 2981–2987, 2008.
215. Iris Hendrickx, Véronique Hoste, Walter Daelemans. Semantic and syntactic features for anaphora resolution for Dutch. *Proceedings of the CICLing-2008 Conference*, Haifa, Israel, Berlin: Springer, 351–361, 2008.
216. Kim Luyckx, Walter Daelemans. Using syntactic features to predict author personality from text. *Proceedings of Digital Humanities 2008*, Oulu, Finland, 146–149, 2008.
217. Roser Morante, Anthony Liekens, Walter Daelemans. Learning the Scope of Negation in Biomedical Texts. *Proceedings of the 2008 Conference on Empirical Methods in Natural Language Processing*, Honolulu, 715–724, 2008.
218. Walter Daelemans, Antal van den Bosch. My Word Coach. Taaltechnologie voor een Nintendo brain trainer. *DIXIT*, 5, 2, 31, 2008.
219. Roser Morante, Vincent van Asch, Walter Daelemans. A memory-based learning approach to event extraction in biomedical texts. *Proceedings of the Workshop on BioNLP: Shared Task*, Boulder, Colorado, Association for Computational Linguistics, 59–67, 2009.
220. Morante Roser, Daelemans Walter. A metalearning approach to processing the scope of negation. *Proceedings of the Thirteenth Conference on Computational Natural Language Learning (CoNLL)*, Boulder, Colorado, Association for Computational Linguistics, 21–29, 2009.
221. Bram Vandekerckhove, Sandra Dominiek, Walter Daelemans. A robust and extensible exemplar-based model of thematic fit. *Proceedings of the 12th Conference of the European Chapter of the ACL*, Athens, Greece, Association for Computational Linguistics, 826–834, 2009.
222. Erwin Marsi, Emiel Krahmer, Iris Hendrickx, Walter Daelemans. Is sentence compression an NLG task? *Proceedings of the 12th European Workshop on Natural Language Generation*, Association for Computational Linguistics, Athens, Greece, 25–32, 2009.
223. Roser Morante, Walter Daelemans. Learning the scope of hedge cues in biomedical texts. *Proceedings of the Workshop on BioNLP*, Boulder, Colorado, Association for Computational Linguistics, 28–36, 2009.
224. Vincent Van Asch, Walter Daelemans. Prepositional phrase attachment in shallow parsing. *Proceedings of the 7th International Conference on Recent Advances in Natural Language Processing (RANLP)*, Borovec, Bulgaria, 12–17, 2009.
225. Walter Daelemans, Hendrik Groenewald, Gerhard van Huyssteen. Prototype-based active learning for lemmatization. *Proceedings of the 7th International Conference on Recent Advances in Natural Language Processing (RANLP)*, Borovec, Bulgaria, 65–70, 2009.
226. Iris Hendrickx, Walter Daelemans, Erwin Marsi, Emiel Krahmer. Reducing redundancy in multi-document summarization using lexical semantic similarity. *Proceedings of the 2009 Workshop on Language Generation and Summarisation*, Association for Computational Linguistics, Singapore, 63–66, 2009.
227. Steven Gillis, Walter Daelemans, Koenraad de Smedt. Artificial intelligence. *Cognition and Pragmatics*. Sandra et al. (eds.), Amsterdam, Benjamins, 16–40, 2009.
228. Lieve Macken, Walter Daelemans. Aligning linguistically motivated phrases. *Selected Papers from the 18th Computational Linguistics in the Netherlands Meeting*, Verberne et al. (eds.), Nijmegen, The Netherlands, 37–52, 2009.
229. Walter Daelemans, Véronique Hoste (eds.) *Evaluation of Translation Technology*, LANS 8/2009, Brussels: Academic and Scientific Publishers, 261 pages, 2009.
230. Walter Daelemans, Véronique Hoste. Evaluation of Translation Technology. In: Daelemans, Hoste (eds.) *Evaluation of Translation Technology*. LANS 8/2009, 9–13, 2009.
231. Erwin Marsi, Emiel Krahmer, Iris Hendrickx, Walter Daelemans. Sentence compression: Beyond deletion models? *Empirical Methods in Natural Language Generation*, Lecture Notes in Computer Science 5980, Springer, Berlin Heidelberg, 45–66, 2010.
232. Lieve Macken, Walter Daelemans. A Chunk-Driven Bootstrapping Approach to Extracting Translation Patterns. In: A. Gelbukh (ed.), *11th International Conference on Intelligent Text Processing and Computational Linguistics*, Iasi, Romania, Vol. 6009 of Lecture Notes in Computer Science, Springer-Verlag, Heidelberg, 394–405, 2010.
233. Walter Daelemans, Vincent Van Asch, Roser Morante. Memory-based biomedical Named-Entity tagging. In: Dietrich Rebbholz-Schuhmann, Udo Hahn (eds.) *Proceedings of the First CALBC Workshop*, Cambridgeshire, EBI, 31–32, 2010.

2009

2010

234. Thomas Abeel, Sofie Van Landeghem, Roser Morante, Vincent Van Asch, Yves Van de Peer, Walter Daelemans, Yvan Saeys. Highlights of the BioTM 2010 workshop on advances in bio text mining. *BMC Bioinformatics* 11, Suppl 5, 1–3, 2010.
235. Frederik Vaassen, Walter Daelemans. Emotion Classification in a Serious Game for Training Communication Skills. In: Eline Westerhout, Thomas Markus, Paola Monachesi (eds.) *Computational Linguistics in the Netherlands. Selected papers from the twentieth CLIN meeting*, LOT, Utrecht, 155–169, 2010.
236. Roser Morante, Vincent Van Asch, Walter Daelemans. Extraction of Biomedical Events. In: Eline Westerhout, Thomas Markus, Paola Monachesi (eds.) *Computational Linguistics in the Netherlands. Selected papers from the twentieth CLIN meeting*, LOT, Utrecht, 91–106, 2010.
237. Mike Kestemont, Walter Daelemans, Guy De Pauw. Space traveling: Assessing the 'soundness' of class labels in memory-based learning and the case of Middle Dutch spelling variation (extended abstract). *Proceedings of the 19th Annual Belgian-Dutch Conference on Machine Learning (Benelearn 2010)*, Leuven, 2 pages, 2010.
238. Roser Morante, Vincent Van Asch, Walter Daelemans. Memory-based resolution of in-sentence scopes of hedge cues. *Proceedings of the Fourteenth Conference on Computational Natural Language Learning: Shared Task*, Uppsala, Sweden, Association for Computational Linguistics, 40–47, 2010.
239. Vincent Van Asch, Walter Daelemans. Using Domain Similarity for Performance Estimation. *Workshop on Domain Adaptation for Natural Language Processing (DANLP)*, Uppsala, Sweden, Association for Computational Linguistics, 31–36, 2010.
240. Walter Daelemans, Antal van den Bosch. Memory-based learning. In: A. Clark, C. Fox, S. Lappin (eds.) *Handbook of Computational Linguistics and Natural Language Processing*, Oxford, UK, Wiley-Blackwell Publishers, 154–179, 2010.
241. Mike Kestemont, Walter Daelemans, Guy De Pauw. Weigh Your Words - memory-based lemmatization for Middle Dutch. *Literary and Linguistic Computing*, Vol. 25, No. 3, 287–301, 2010.
242. Walter Daelemans. POS Tagging. In: Claude Sammut and Geoffrey I. Webb (eds.) *Encyclopedia of Machine Learning*, Springer Verlag, Heidelberg, 2010.
243. Tom De Smedt, Vincent Van Asch, Walter Daelemans. *Memory-based Shallow Parser for Python*. CLIPS Technical Report Series, CTRES-002, 2010.
244. Vincent Van Asch, Roser Morante, Walter Daelemans. Towards improving the precision of a relation extraction system by processing negation and speculation. *Proceedings of the 4th Symposium on Semantic Mining in Biomedicine (SMBM)*, 164–165. Hinxton, UK, 2010.
245. Walter Daelemans. Review of *Grammatical Inference: Learning Automata and Grammars*. (Colin de la Higuera), *Machine Translation*, 23:3-4, 291–293, 2010.
246. Dietrich Rebholz-Schuhmann, Antonio Jimeno Yepes, Chen Li, Senay Kafkas, Ian Lewin, Ning Kang, Peter Corbett, David Milward, Ekaterina Buyko, Elena Beisswanger, Kerstin Hornbostel, Alexandre Kouznetsov, René Witte, Jonas B Laurila, Christopher JO Baker, Cheng-Ju Kuo, Simone Clematide, Fabio Rinaldi, Richárd Farkas, György Móra, Kazuo Hara, Laura I Furlong, Michael Rautschka, Mariana Lara Neves, Alberto Pascual-Montano, Qi Wei, Nigel Collier, Md Faisal Mahbub Chowdhury, Alberto Lavelli, Rafael Berlanga, Roser Morante, Vincent Van Asch, Walter Daelemans, José Luis Marina, Erik van Mulligen, Jan Kors, Udo Hahn. Assessment of NER solutions against the first and second CALBC Silver Standard Corpus. *Proceedings of the 4th Symposium on Semantic Mining in Biomedicine (SMBM)*, 66–74. Hinxton, UK, 2010. [Also in *Journal of Biomedical Semantics*, Volume 2, suppl. 5, S11, 2011.]
247. Roser Morante, Sarah Schrauwen, Walter Daelemans. Corpus-based approaches to processing the scope of negation cues: an evaluation of the state of the art. In: Johan Bos and Stephen Pulman editors), *Proceedings of the Ninth International Conference on Computational Semantics (IWCS 2011)*, 350–354, Oxford, UK, 2011.
248. Anthony Liekens, Jeroen de Knijf, Walter Daelemans, Bart Goethals, Peter De Rijk, Jurgen Del-Favero. BioGraph: unsupervised biomedical knowledge discovery via automated hypothesis generation. *Genome Biology*, 12(6), 12:R57, 2011.
249. Senja Pollak, Roel Coesemans, Walter Daelemans, Nada Lavrač. Detecting contrast patterns in newspaper articles by combining discourse analysis and text mining. *Pragmatics*, 21:4, 647–638, 2011.
250. Kim Luyckx, Walter Daelemans. The effect of author set size and data size in authorship attribution. *Literary and Linguistic Computing*, 26:1, 35–55, 2011.
251. Sander Canisius, Antal van den Bosch, Walter Daelemans. Constraint-Satisfaction Inference for Entity Recognition. In: Van den Bosch Antal, Bouma Gosse (eds.) *Interactive Multi-Modal Question-Answering*. Berlin, Heidelberg: Springer, Series: Theory and Applications of Natural Language Processing, 199–221, 2011.

2011

252. Frederik Vaassen, Walter Daelemans. Automatic emotion classification for interpersonal communication.' In: *Proceedings of the Workshop on Computational Approaches to Subjectivity and Sentiment Analysis (WASSA)*, ACL-HLT 2011, 104–110, Portland, Oregon, USA Association for Computational Linguistics, 2011.
253. Claudia Peersman, Walter Daelemans, Leona Van Vaerenbergh. Predicting Age and Gender in Online Social Networks. *Proceedings of the 3rd international workshop on search and mining user-generated contents (SMUC'11)*, ACM, New York, 37–44, 2011.
254. Mike Kestemont, Kim Luyckx, Walter Daelemans. Intrinsic plagiarism detection using character trigram distance scores. In: Vivien Petras, Paul Clough (eds.) *Notebook for PAN at CLEF 2011*. Notebook Papers of CLEF 2011 Labs and Workshops, Amsterdam, The Netherlands, 8 pages, 2011.
255. Roser Morante, Walter Daelemans. Annotating modality and negation for a machine reading evaluation. In: Vivien Petras, Paul Clough (eds.) *Notebook for QA4MRE at CLEF 2011*. Notebook Papers of CLEF 2011 Labs and Workshops, Amsterdam, The Netherlands, 14 pages, 2011.
256. Tom De Smedt, Ludivine Lechat, Walter Daelemans. Generative Art Inspired by Nature, Using NodeBox. In: Cecilia Di Chio, Anthony Brabazon, et al. (eds.) *Applications of Evolutionary Computation*, Springer Lecture Notes in Computer Science, Volume 6625, 264–272, 2011.
257. Vincent Van Asch, Walter Daelemans. Using Domain Similarity for Performance Estimation. In: Peter van der Putten, Cor Veenman, Joaquin Vanschoren, Menno Israel, Hendrik Blockeel (eds.) *Proceedings of the Twentieth Belgian Dutch Conference on Machine Learning*, The Hague, 87–88, 2011.
258. Dirk Snyman, Gerhard van Huyssteen, Walter Daelemans. Automatic Genre Classification for Resource Scarce Languages. *Proceedings of the 2011 Conference of the Pattern Recognition Association of South Africa*, Vanderbijlpark, South Africa, 132–137, 2011.
259. Roser Morante, Sara Schrauwen, Walter Daelemans. Annotation of negation cues and their scope: Guidelines v1.0. *Computational linguistics & psycholinguistics technical report series*, CTRS-003, Antwerp: University of Antwerp, 2011, 42 pages.
260. Jeroen Wauters, Frederik Van Broeckhoven, Maarten Van Overveldt, Koen Eneman, Frederik Vaassen, Walter Daelemans. deLearyous: An Interactive Application for Interpersonal Communication Training. In: Stefan De Wannemacker, Sylke Vandercruysse, Geraldine Clarebout (eds.), *Serious Games: The Challenge*, Communications in Computer and Information Science, Volume 280, Berlin, Germany: Springer-Verlag, 87–90, 2012.
261. Mike Kestemont, Walter Daelemans, Dominiek Sandra. Robust rhymes? The stability of authorial style in medieval narratives. *Journal of Quantitative Linguistics*, 19 (1), 54–76, 2012.
262. Claudia Peersman, Frederik Vaassen, Vincent Van Asch, Walter Daelemans. Conversation Level Constraints on Pedophile Detection in Chat Rooms. In: P. Forner, J. Karlgren, C. Womser-Hacker (eds.), *CLEF 2012 Conference and Labs of the Evaluation Forum - Uncovering Plagiarism, Authorship, and Social Software Misuse (PAN)*, Rome, Italy, 13 pages, 2012.
263. Kim Luyckx, Frederik Vaassen, Claudia Peersman, Walter Daelemans. Fine-Grained Emotion Detection in Suicide Notes: A Thresholding Approach to Multi-Label Classification. *Biomedical Informatics Insights (BII)*. Volume 5 (Suppl. 1), 61–69, 2012.
264. Janneke van de Loo, Guy De Pauw, Jort F. Gemmeke, Peter Karsmakers, Bert Van Den Broeck, Walter Daelemans, Hugo Van hamme. Towards Shallow Grammar Induction for an Adaptive Assistive Vocal Interface: a Concept Tagging Approach. In: Luz Rello and Horacio Saggion (eds.), *Proceedings of the Workshop on Natural Language Processing for Improving Textual Accessibility (NLP4ITA)*, Istanbul, Turkey, 27–34, 2012.
265. Janneke van de Loo, Jort F. Gemmeke, Guy De Pauw, Joris Driesen, Hugo Van hamme, Walter Daelemans. Towards a Self-Learning Assistive Vocal Interface: Vocabulary and Grammar Learning. *Proceedings of the 1st Workshop on Speech and Multimodal Interaction in Assistive Environments (SMIAE)*, ACL, Jeju, Republic of Korea, 34–42, 2012.
266. Jort F. Gemmeke, Janneke van de Loo, Guy De Pauw, Joris Driesen, Hugo Van hamme, Walter Daelemans. A Self-Learning Assistive Vocal Interface Based on Vocabulary Learning and Grammar Induction. *Proceedings of Interspeech 2012*, Portland, Oregon, 831–834, 2012.
267. Frederik Vaassen, Jeroen Wauters, Frederik Van Broeckhoven, Maarten Van Overveldt, Koen Eneman, Walter Daelemans. Training Interpersonal Communication Skills Using Unconstrained Text Input. In: Patrick Felicia (ed.) *Proceedings of ECGBL 2012, The 6th European Conference on Games Based Learning*, Cork: Academic Publishing International, 505–513, 2012.
268. Mike Kestemont, Kim Luyckx, Walter Daelemans, Thomas Crombez. Cross-Genre Authorship Verification using Unmasking. *English Studies. A journal of English language and literature*, 93:3, 340–356, 2012.

2012

269. Kathy Rys, Walter Daelemans, Guy De Pauw, Steven Gillis. Leermechanismen in tweededialectverwerving. *Tabu: Bulletin voor taalwetenschap*, 40, 59–88, 2012.
270. Enric Junqué de Fortuny, Tom De Smedt, David Martens, Walter Daelemans. Media Coverage in Times of Political Crisis: a Text Mining Approach. *Expert Systems with Applications*, 39:14, 11616–11622, 2012.
271. Tom De Smedt, Walter Daelemans. Pattern for Python. *Journal of Machine Learning Research*, 13, 2063–2067, 2012.
272. Mathias Verbeke, Roser Morante, Vincent Van Asch, Paolo Frasconi, Walter Daelemans, Luc De Raedt. A statistical relational learning approach to identifying evidence based medicine categories. *Proceedings of the Joint Conference on Empirical Methods in Natural Language Processing and Computational Natural Language Learning*, Association for Computational Linguistics, Jeju island, Korea, 579–589, 2012.
273. Mike Kestemont, Kim Luyckx, Walter Daelemans, Thomas Crombez. Evaluating unmasking for cross-genre authorship verification. In: Jan Christoph Meister (ed.) *Digital Humanities*, Hamburg, 249–252, 2012.
274. Mathias Verbeke, Paolo Frasconi, Vincent Van Asch, Roser Morante, Walter Daelemans, Luc De Raedt. Kernel-based logical and relational learning with kLog for hedge cue detection. In: Stephen Muggleton, Alireza Tamaddoni-Nezhad, Francesca Lisi (eds.) *Proceedings of the 21st International Conference on Inductive Logic Programming*, LNCS, Volume 7207, Berlin: Springer, 347–357, 2012.
275. Mike Kestemont, Claudia Peersman, Benny De Decker, Guy De Pauw, Kim Luyckx, Roser Morante, Frederik Vaassen, Janneke van de Loo, Walter Daelemans. The Netlog Corpus: a Resource for the Study of Flemish Dutch Internet Language. *Proceedings of the Eighth International Conference on Language Resources and Evaluation (LREC'12)*, Istanbul, European Language Resources Association, 1569–1572, 2012.
276. Enric Junqué de Fortuny, Tom De Smedt, David Martens, Walter Daelemans. Design and Evaluation of Empirical Models for Stock Price Prediction. Research Paper, University of Antwerp, Faculty of Applied Economics, 2012–017, 22 pages, 2012
277. Roser Morante, Walter Daelemans. Annotating Modality and Negation for a Machine Reading Evaluation. In: P. Forner, J. Karlgren, C. Womser-Hacker (eds.), *CLEF 2012 Conference and Labs of the Evaluation Forum - Question Answering For Machine Reading Evaluation (QA4MRE)*, Rome, Italy, 9 pages, 2012.
278. Roser Morante, Martin Krallinger, Alfonso Valencia, Walter Daelemans. Machine Reading of Biomedical Texts about Alzheimer’s Disease. In: P. Forner, J. Karlgren, Womser-Hacker (eds.), *CLEF 2012 Conference and Labs of the Evaluation Forum - Question Answering For Machine Reading Evaluation (QA4MRE)*, Rome, Italy, 14 pages, 2012.
279. Roser Morante, Walter Daelemans. ConanDoyle-neg: Annotation of negation in Conan Doyle stories. *Proceedings of the Eight International Conference on Language Resources and Evaluation (LREC'12)*, Istanbul, Turkey, European Language Resources Association, 1563–1568, 2012.
280. Tom De Smedt, Walter Daelemans. “Vreselijk mooi!(terribly beautiful): A Subjectivity Lexicon for Dutch Adjectives. *Proceedings of the Eight International Conference on Language Resources and Evaluation (LREC'12)*, Istanbul, Turkey, European Language Resources Association (ELRA), 3568–3572, 2012.
281. Ben Verhoeven, Walter Daelemans, Gerhard van Huyssteen. Classification of noun-noun compound semantics in Dutch and Afrikaans. *Proceedings of the Twenty-Third Annual Symposium of the Pattern Recognition Association of South Africa*, Pretoria, South-Africa, 121–125, 2012.
282. Jurgita Kapociūtė-Dzikiėnė, Frederik Vaassen, Walter Daelemans, Algis Krupavicius. Improving topic classification for highly inflective languages. *Proceedings of COLING 2012, the 24th International Conference on Computational Linguistics*, Mumbai, 1393–1410, 2012.
283. Bram Vandekerckhove, Dominiek Sandra, Walter Daelemans. Selective Impairment of Adjective Order Constraints as Overeager Abstraction: An Elaboration on Kemmerer et al. (2009). *Journal of Neurolinguistics*, Volume 26, Issue 1, 46–72, 2013.
284. Antal van den Bosch, Walter Daelemans. Implicit Schemata and Categories in Memory-Based Language Processing. *Language and Speech*, 309–328, 2013.
285. Vincent Van Asch, Walter Daelemans. An Analytical Approach to Similarity Measure Selection for Selftraining. *BE-NELEARN 2013: Proceedings of the 22nd Belgian-Dutch Conference on Machine Learning*, Nijmegen, the Netherlands, 8–17, 2013.
286. Ben Verhoeven, Walter Daelemans, Tom De Smedt. Ensemble Methods for Personality Recognition. *Proceedings of the Workshop on Computational Personality Recognition (Shared Task)*, Cambridge, Mass., 1–4, 2013.

2013

287. Iris Hendrickx, Gosse Bouma, Walter Daelemans, Véronique Hoste. COREA: Coreference Resolution for Extracting Answers for Dutch. In: Peter Spyns et al. (eds.) *Essential Speech and Language Technology for Dutch: results by the STEVIN-programme*, Berlin, Springer, 97–108, 2013.
288. Walter Daelemans. Explanation in Computational Stylemetry. In: Alexander Gelbukh (ed.) *Computational Linguistics and Intelligent Text Processing: 14th International Conference, CICLing 2013*, Berlin, Springer, 451–462, 2013.
289. Tom De Smedt, Frederik De Bleser, Vincent Van Asch, Lucas Nijs, Walter Daelemans. Gravitall: Natural Language Processing for Computer Graphics. In: Tony Veale et al. (eds.) *Creativity and the agile mind: a multi-disciplinary study of a multi-faceted phenomenon*, Berlin, De Gruyter, 81–97, 2013.
290. Ben Verhoeven, Walter Daelemans. Semantic Classification of Dutch Noun-Noun Compounds: A Distributional Semantics Approach. *Computational Linguistics in the Netherlands Journal*, 3, 2–18, 2013.
291. Roser Morante, Martin Krallinger, Alfonso Valencia, Walter Daelemans. Machine Reading of Biomedical Texts about Alzheimer’s Disease. In: Pamela Forner (ed.) *CLEF 2013 Evaluation Labs and Workshop: Online Working Notes*, Valencia, Spain: CLEF, 1–13, 2013.
292. Walter Daelemans, Véronique Hoste. STYLENE: an Environment for Stylemetry and Readability Research for Dutch. CLiPS Technical Research Report CTRS-004, 28 pages, 2013.
293. Bart Ons, Netsanet Tessema, Janneke van de Loo, Jort Gemmeke, Guy De Pauw, Walter Daelemans, Hugo Van hamme. A Self Learning Vocal Interface for Speech-impaired Users. In: *Proceedings 4th Workshop on Speech and Language Processing for Assistive Technologies (SLPAT)*, Stroudsburg, PA: ACL, 73–28, 2013.
294. Netsanet Tessema, Bart Ons, Janneke van de Loo, Jort Gemmeke, Guy De Pauw, Walter Daelemans, Hugo Van hamme. Metadata for Corpora PATCOR and Domotica-2. Technical report KUL/ESAT/PSI/1303, KULeuven, ESAT, Leuven, Belgium, 1–5, 2013.
295. Jort Gemmeke, Bart Ons, Netsanet Tessema, Hugo Van hamme, Janneke van de Loo, Guy De Pauw, Walter Daelemans, Jonathan Huyghe, Jan Derboven, Lode Vuegen, Bert Van Den Broeck, Peter Karsmakers, Bart Vanrumste. Self-taught assistive vocal interfaces: An overview of the ALADIN project. In: *Proceedings of Interspeech*, 2038–2043, 2013.
296. Ben Verhoeven, Menno van Zaanen, Walter Daelemans, Gerhard van Huyssteen. Automatic Compound Processing: Compound Splitting and Semantic Analysis for Afrikaans and Dutch. In: Verhoeven et al. (eds.) *Proceedings of the First Workshop on Computational Approaches to Compound Analysis (ComACoM 2014)*, Dublin, Ireland, 20–30, 2014.
297. Ben Verhoeven, Walter Daelemans, Menno van Zaanen, Gerhard van Huyssteen (eds.) *Proceedings of the First Workshop on Computational Approaches to Compound Analysis (ComACoM 2014)*. Held at the 25th International Conference on Computational Linguistics (COLING 2014). Dublin, Ireland, August 24, 91 pages, 2014.
298. Ben Verhoeven, Gerhard van Huyssteen, Menno van Zaanen, Walter Daelemans. Annotation Guidelines for Compound Analysis. CLiPS Technical Report Series (CTRS) 5, 50 pages, 2014.
299. Tom De Smedt, Lucas Nijs, Walter Daelemans. Creative Web Services with Pattern. *Proceedings of the Fifth International Conference on Computational Creativity*. Ljubljana, Slovenia, 3 pages, 2014.
300. Ben Verhoeven, Walter Daelemans. CLiPS Stylemetry Investigation (CSI) Corpus: a Dutch Corpus for the Detection of Age, Gender, Personality, Sentiment and Deception in Text. *Proceedings of the Ninth International Conference on Language Resources and Evaluation (LREC’14)*, ELRA: Reykjavik, Iceland, 3081–3085, 2014.
301. Georg Rehm, Hans Uszkoreit, Sophia Ananiadou, Núria Bel, Audronė Bielevičienė, Lars Borin, António Branco, Gerhard Budin, Nicoletta Calzolari, Walter Daelemans, Radovan Garabík, Marko Grobelnik, Carmen García-Mateo, Josef van Genabith, Jan Hajič, Inma Hernández, John Judge, Svetla Koeva, Simon Krek, Cvetana Krstev, Krister Lindén, Bernardo Magnini, Joseph Mariani, John McNaught, Maite Melero, Monica Monachini, Asunción Moreno, Jan Odiijk, Maciej Ogrodniczuk, Piotr Pezik, Stelios Piperidis, Adam Przepiórkowski, Eiríkur Rögnvaldsson, Michael Rosner, Bolette Pedersen, Inguna Skadiņa, Koenraad De Smedt, Marko Tadić, Paul Thompson, Dan Tufiş, Tamás Váradi, Andrejs Vasiljevs, Kadri Vider, Jolanta Zabarskaite. The Strategic Impact of META-NET on the Regional, National and International Level. *Proceedings of the Ninth International Conference on Language Resources and Evaluation (LREC’14)*, ELRA: Reykjavik, Iceland, 1517–1524, 2014.
302. Enric Junqué de Fortuny, Tom De Smedt, David Martens, Walter Daelemans. Evaluating and Understanding Text-Based Stock Price Prediction Models. *Information Processing and Management*, 50:2, 426–441, 2014.
303. Tom De Smedt, Fabio Marfia, Matteo Matteucci, Walter Daelemans. Using Wiktionary to Build an Italian Part-of-Speech Tagger. In: Elisabeth Métais, Mathieu Roche, Maguelonne Teisseire (eds.) *Natural Language Processing and Information Systems. 19th International Conference on Applications of Natural Language to Information Systems, NLDB 2014*, Montpellier, France, Lecture Notes in Computer Science Volume 8455, 1–8, 2014.

2014

304. Francisco Rangel, Paolo Rosso, Irina Chugur, Martin Potthast, Martin Trenkmann, Benno Stein, Ben Verhoeven, Walter Daelemans. Overview of the Author Profiling Task at PAN 2014. *CLEF 2014 Evaluation Labs and Workshop Working Notes Papers*, Sheffield, UK, 30 pages, 2014.
305. Efstathios Stamatatos, Walter Daelemans, Ben Verhoeven, Martin Potthast, Benno Stein, Patrick Juola, Miguel A. Sanchez-Perez, Alberto Barron-Cedeno. Overview of the Author Identification Task at PAN 2014. In: *CLEF 2014 Evaluation Labs and Workshop Working Notes Papers*, Sheffield, UK, 21 pages, 2014.
306. Mathias Verbeke, Vincent Van Asch, Walter Daelemans, Luc De Raedt. Lazy and Eager Relational Learning using Graph-Kernels. *Proceedings of the Second International Conference on Statistical Language and Speech Processing*, Grenoble, France, Springer LNAI/LNCS 8791, 163–176, 2014.
307. Dirk Snyman, Gerhard van Huyssteen, Walter Daelemans. Outomatiese genreklassifikasie vir Afrikaans. *Die Suid-Afrikaanse tydskrif vir natuurwetenskap en tegnologie*, 33 (1), 1–12, 2014.
308. Ben Verhoeven, Juan Soler, Walter Daelemans. Evaluating content-independent features for personality recognition. *Proceedings of the 2014 ACM Multi Media on Workshop on Computational Personality Recognition. WCPN '14*, New York, ACM, 7–10, 2014.
309. Kathleen Van Royen, Karolien Poels, Walter Daelemans, Heidi Vandebosch. Automatic Monitoring of Cyberbullying on Social Networking Sites: from Technical Feasibility to Desirability. *Telematics and Informatics* 32 (1), 89–97, 2015.
310. Bram Vandekerckhove, Dominiek Sandra, Walter Daelemans. Effects of online abstraction on adjective order preferences. *Language, Cognition and Neuroscience*, 30 (7), 816–831, 2015.
311. Nina Reviens, Aline Remael, Walter Daelemans. The language of Audio Description in Dutch: Results of a Corpus Study.' In: Anna Jankowska, Agnieszka Szarkowska (eds.), *New Points of View on Audiovisual Translation and Media Accessibility*, Bern: Peter Lang, 167–189, 2015.
312. Robert Grimm, Giovanni Cassani, Walter Daelemans, Steven Gillis. Towards a Model of Prediction-based Syntactic Category Acquisition: First Steps with Word Embeddings. *Proceedings of the Sixth Workshop on Cognitive Aspects of Computational Language Learning (CogACLL-2015)*, Association for Computational Linguistics, Lisbon, Portugal, 28–32, 2015.
313. Giovanni Cassani, Robert Grimm, Walter Daelemans, Steven Gillis. Which Distributional Cues Help the Most? Unsupervised Contexts Selection for Lexical Category Acquisition. *Proceedings of the Sixth Workshop on Cognitive Aspects of Computational Language Learning (CogACLL-2015)*, Association for Computational Linguistics, Lisbon, Portugal, 33–39, 2015.
314. Cynthia Van Hee, Els Lefever, Ben Verhoeven, Julie Mennes, Bart Desmet, Guy De Pauw, Walter Daelemans, Véronique Hoste. Automatic Detection and Prevention of Cyberbullying. *The First International Conference on Human and Social Analytics (HUSO 2015)*, IARIA, St. Julians, Malta, 13–18, 2015. [Best paper award].
315. Cynthia Van Hee, Els Lefever, Ben Verhoeven, Julie Mennes, Bart Desmet, Guy De Pauw, Walter Daelemans, Véronique Hoste. Detection and Fine-Grained Classification of Cyberbullying Events. In: Galia Angelova, Kalina Bontcheva, Ruslan Mitkov (eds.) *Proceedings of the 10th Recent Advances in Natural Language Processing (RANLP)*, Hissar, Bulgaria, 672–680, 2015.
316. Cynthia Van Hee, Ben Verhoeven, Els Lefever, Guy De Pauw, Véronique Hoste, Walter Daelemans. *Guidelines for the Fine-Grained Analysis of Cyberbullying, version 1.0*, LT3 Technical Report - LT3 15.01, 16 pages, 2015.
317. Francisco Manuel Rangel Pardo, Fabio Celli, Paolo Rosso, Martin Potthast, Benno Stein, Walter Daelemans. Overview of the 3rd Author Profiling Task at PAN 2015. *CLEF 2015 Evaluation Labs and Workshop Working Notes Papers*, CEUR Workshop Proceedings, Volume 1391, Toulouse, France, 40 pages, 2015.
318. Efstathios Stamatatos, Walter Daelemans, Ben Verhoeven, Patrick Juola, Aurelio Lopez-Lopez, Martin Potthast, Benno Stein. Overview of the Author Identification Task at PAN 2015. *CLEF 2015 Evaluation Labs and Workshop Working Notes Papers*, CEUR Workshop Proceedings Volume 1391, Toulouse, France, 17 pages, 2015.
319. Mike Kestemont, Justin Stover, Moshe Koppel, Folgert Karsdorp, Walter Daelemans. Authenticating the writings of Julius Caesar. *Expert Systems with Applications*, 63, 86–96, 2016.
320. Sarah Schulz, Guy De Pauw, Orphée De Clercq, Bart Desmet, Véronique Hoste, Walter Daelemans, Lieve Macken. Multi-Modular Text Normalization of Dutch User-Generated Content. *ACM Transactions on Intelligent Systems and Technology (TIST)*, 7(4), article 61, 1–22, 2016.
321. Elyne Scheurwegs, Kim Luyckx, Léon Luyten, Walter Daelemans, Tim Van den Bulcke. Data Integration of Structured and Unstructured Sources for Assigning Clinical Codes to Patient Stays. *Journal of the American Medical Informatics Association*, Volume 23, Issue e1, 11–19, April 2016.

2015

2016

322. Georg Rehm, Hans Uszkoreit, Sophia Ananiadou, N ria Bel, Audron  Bielevi ien , Lars Borin, Ant nio Branco, Gerhard Budin, Nicoletta Calzolari, Walter Daelemans, Radovan Garabik, Marko Grobelnik, Carmen Garc a-Mateo, Josef van Genabith, Jan Haji , Inma Hern ez, John Judge, Svetla Koeva, Simon Krek, Cvetana Krstev, Krister Lind n, Bernardo Magnini, Joseph Mariani, John McNaught, Maite Melero, Monica Monachini, Asunci n Moreno, Jan Odijk, Maciej Ogrodniczuk, Piotr Pezik, Stelios Piperidis, Adam Przepi rkowski, Eirikur R gnvaldsson, Michael Rosner, Bolette Pedersen, Inguna Skadi a, Koenraad De Smedt, Marko Tadi , Paul Thompson, Dan Tufi , Tam s V radi, Andrejs Vasiljevs, Kadri Vider, Jolanta Zabarskaite. The Strategic Impact of META-NET on the Regional, National and International Level. *Language Resources and Evaluation* 50 (2), 351–374, 2016.
323. Claudia Peersman, Walter Daelemans, Reinhild Vandekerckhove, Bram Vandekerckhove, Leona Van Vaerenbergh. The Effects of Age, Gender and Region on Non-standard Linguistic Variation in Online Social Networks. arXiv:1601.02431 [cs.CL], 24 pages, 2016.
324. Vincent Van Asch, Walter Daelemans. Predicting the Effectiveness of Self-Training: Application to Sentiment Classification. arXiv:1601.03288 [cs.CL], 9 pages, 2016.
325. St phan Tulkens, Simon  uster, Walter Daelemans. Using Distributed Representations to Disambiguate Biomedical and Clinical Concepts. Proceedings of the 15th Workshop on Biomedical Natural Language Processing, Association for Computational Linguistics, 77–82, Berlin, 2016.
326. Janneke van de Loo, Guy De Pauw, Walter Daelemans. Text-Based Age and Gender Prediction for Online Safety Monitoring. *International Journal of Cyber-Security and Digital Forensics (IJCSDF)*, 5 (1), 46–60, 2016.
327. St phan Tulkens, Chris Emmery, Walter Daelemans. Evaluating Unsupervised Dutch Word Embeddings as a Linguistic Resource. *Proceedings of the Tenth International Conference on Language Resources and Evaluation (LREC 2016)*, ELRA: Paris, France, 4130–4136, 2016.
328. St phan Tulkens, Simon  uster, Walter Daelemans. Using Distributed Representations to Disambiguate Biomedical and Clinical Concepts. *Proceedings of BNAIC-2016*, 190–191, 2016.
329. Ben Verhoeven, Walter Daelemans, Barbara Plank. TwiSty: a Multilingual Twitter Stylometry Corpus for Gender and Personality Profiling. *Proceedings of the Tenth International Conference on Language Resources and Evaluation (LREC 2016)*, ELRA: Paris, France, 1–6, 2016.
330. Efsthios Stamatatos, Michael Tschuggnall, Ben Verhoeven, Walter Daelemans, Guenther Specht, Benno Stein, Martin Potthast. Clustering by Authorship Within and Across Documents. *CLEF 2016 Evaluation Labs and Workshop Working Notes Papers*, CEUR Workshop Proceedings Volume 1609, Evora, Portugal, 691–715, 2016.
331. Francisco Manuel Rangel Pardo, Paolo Rosso, Ben Verhoeven, Walter Daelemans, Martin Potthast, Benno Stein. Overview of the 4th Author Profiling Task at PAN 2016: Cross-Genre Evaluations. *CLEF 2016 Evaluation Labs and Workshop Working Notes Papers*, CEUR Workshop Proceedings Volume 1609, Evora, Portugal, 750–784, 2016.
332. St phan Tulkens, Lisa Hilte, Elyne Lodewyckx, Ben Verhoeven, Walter Daelemans. A Dictionary-based Approach to Racism Detection in Dutch Social Media. *Proceedings of the First Workshop on Text Analytics for Cybersecurity and Online Safety (TA-COS 2016)*, Portoroz, Slovenia, 1–7, 2016.
333. Ben Verhoeven, Walter Daelemans, Barbara Plank. Creating TwiSty: Corpus Development and Statistics. CLiPS Technical Report Series (CTRS), 6, 21 pages, 2016.
334. St phan Tulkens, Lisa Hilte, Elyne Lodewyckx, Ben Verhoeven, Walter Daelemans. The Automated Detection of Racist Discourse in Dutch Social Media. *Computational Linguistics in the Netherlands Journal* 6, 3–20, 2016.
335. Mike Kestemont, Julian Stover, Moshe Koppel, Folkert Karsdorp, Walter Daelemans. Authorship Verification with the Ruzicka Metric. *Digital Humanities 2016: Conference Abstracts*. Jagiellonian University and Pedagogical University, Krak w, 246–249, 2016.
336. Lisa Hilte, Reinhild Vandekerckhove, Walter Daelemans. Expressiveness in Flemish online teenage talk: a corpus-based analysis of social and medium-related linguistic variation. *Proceedings of the 4th Conference on CMC and Social Media Corpora for the Humanities*, Ljubljana, Academic Publishing Division of the Faculty of Arts of the University of Ljubljana, 30–33, 2016.
337. Giovanni Cassani, Robert Grimm, Steven Gillis, Walter Daelemans. Constraining the Search Space in Cross-Situational Word Learning: Different Models make Different Predictions. *Proceedings of the 38th Annual Conference of the Cognitive Science Society*, Philadelphia, Pennsylvania, USA, 1152–1157, 2016.
338. Walter Daelemans. Review of *Literary Detective Work on the Computer*. (Michael Oakes). *Digital Scholarship in the Humanities*, Oxford: Oxford univ press, 222–223, 2017.

339. Mike Kestemont, Guy de Pauw, Renske van Nie, Walter Daelemans. Lemmatization for variation-rich languages using deep learning. *Digital Scholarship in the Humanities*, Volume 32, Issue 4, 797–815, December 2017.
340. Simon Šuster, Stéphan Tulkens, Walter Daelemans. A Short Review of Ethical Challenges in Clinical Natural Language Processing. *Proceedings of the First ACL Workshop on Ethics in Natural Language Processing*, Association for Computational Linguistics, Valencia, 80–87, 2017.
341. Robert Grimm, Giovanni Cassani, Steven Gillis, Walter Daelemans. Facilitatory Effects of Multi-Word Units in Lexical Processing and Word Learning: a Computational Investigation. *Frontiers in Psychology*, 8, 17 pages, 2017.
342. Giovanni Cassani, Robert Grimm, Steven Gillis, Walter Daelemans. Distributional Learning and Lexical Category Acquisition: What Makes Words Easy to Categorize? *Proceedings of the 39th Annual Conference of the Cognitive Science Society*, Austin, Texas, 216–221, 2017.
343. Robert Grimm, Giovanni Cassani, Steven Gillis, Walter Daelemans. Evidence for a Facilitatory Effect of Multi-Word Units on Child Word Learning. *Proceedings of the 39th Annual Conference of the Cognitive Science Society*, Austin, Texas, 433–438, 2017.
344. Elyne Scheurwwegs, Kim Luyckx, Léon Luyten, Bart Goethals, Walter Daelemans. Assigning Clinical Codes with Data-Driven Concept Representation on Dutch Clinical Free Text. *Journal of Biomedical Informatics*, 69, 118–127, 2017.
345. Kathy Rys, Emmanuel Keuleers, Walter Daelemans, Steven Gillis. Acquisition of Phonological Variables of a Flemish Dialect by Children Raised in Standard Dutch: Some Considerations on the Learning Mechanisms. In: De Vogelaer et al. (eds.) *Acquiring Sociolinguistic Variation*, Amsterdam: Benjamins, 267–304, 2017.
346. Enrique Manjavacas, Ewoud de Gussem, Walter Daelemans, Mike Kestemont. Assessing the Stylistic Properties of Neurally Generated Text in Authorship Attribution. *Proceedings of the Workshop on Stylistic Variation*, Copenhagen, ACL, 116–125, 2017.
347. Lisa Hilde, Reinhild Vandekerckhove, Walter Daelemans. Modeling Non-Standard Language Use in Adolescents’ CMC: the Impact and Interaction of Age, Gender and Education. *Proceedings of the 5th Conference on CMC and Social Media Corpora for the Humanities (cmccorpora17)*, Bolzano: Eurac Research, 11–15, 2017.
348. Pieter Fivez, Simon Šuster, Walter Daelemans. Unsupervised Context-Sensitive Spelling Correction of English and Dutch Clinical Free-Text with Word and Character n-gram Embeddings. *Computational Linguistics in the Netherlands Journal* 7, 39–52, 2017.
349. Pieter Fivez, Simon Šuster, Walter Daelemans. Unsupervised Context-Sensitive Spelling Correction of Clinical Free-Text with Word and Character n-gram Embeddings. *16th Workshop on Biomedical Natural Language Processing*, ACL, 143–148, 2017.
350. Elyne Scheurwwegs, Madhumita Sushil, Stéphan Tulkens, Walter Daelemans, Kim Luyckx. Counting Trees in Random Forests: Predicting Symptom Severity in Psychiatric Intake Reports. *Journal of Biomedical Informatics*, Supplement, 112–119, 2017.
351. Marc Kemps-Snijders, Ineke Schuurman, Walter Daelemans, Kris Demuyne, Brecht Desplanques, Véronique Hoste, Marijn Huijbregts, Jean-Pierre Martens, Hans Paulussen, Joris Pelemans, Martin Reynaert, Vincent Vandeghinste, Antal van den Bosch, Henk van den Heuvel, Maarten van Gompel, Gertjan van Noord, Patrick Wambacq. TTNWW to the Rescue: No Need to Know How to Handle Tools and Resources. In: Jan Odijk, Arjan van Hessen (eds.) *CLARIN in the Low Countries*. London: Ubiquity Press, 83–93, 2017.
352. Walter Daelemans, Orphée De Clercq, Véronique Hoste. Stylen: an Environment for Stylography and Readability Research for Dutch. In: Jan Odijk, Arjan van Hessen (eds.) *CLARIN in the Low Countries*. London: Ubiquity Press, 195–209, 2017.
353. Walter Daelemans. A tourist in the AI-lab before the revolution. In: Katrien Beuls et al. (eds.) *Luc Steels: Growing Seeds.*, Berger and Montag Publishers, 20–23, 2017.
354. Chris Emmery, Grzegorz Chrupała, Walter Daelemans. Simple Queries as Distant Labels for Detecting Gender on Twitter. *Proceedings of the 3rd Workshop on Noisy User-generated Text*, Copenhagen, Denmark: Association for Computational Linguistics, 50–55, 2017.
355. Lea Canales, Walter Daelemans, Ester Boldrini, Patricio Martínez-Barco. Towards the Improvement of Automatic Emotion Pre-annotation with Polarity and Subjective Information. *Proceedings of Recent Advances in Natural Language Processing (RANLP)*, Varna, Bulgaria, 157–163, 2017.
356. Lieve Beheydt, Bernard Sabbe, Livia De Picker, Jens Goetschalckx, Walter Daelemans. Computational Language Analysis for Assessment of Schizophrenia. *Proceedings 6th International Conference on Cognitive and Behavioral Psychology (CBP 2017)*, 118–127, 2017.

357. Madhumita Sushil, Simon Šuster, Kim Luyckx, Walter Daelemans. Unsupervised Patient Representations from Clinical Notes with Interpretable Classification Decisions. *Workshop on Machine Learning for Health (at NIPS)*, Long Beach, CA, USA, 6 pages, 2017.
358. Michael Tschuggnall, Efstathios Stamatatos, Ben Verhoeven, Walter Daelemans, Günther Specht, Benno Stein, Martin Potthast. Overview of the Author Identification Task at PAN-2017: Style Breach Detection and Author Clustering. In: Linda Cappellato et al. (eds.) *Working Notes Papers of the CLEF 2017 Evaluation Labs*, Volume 1866 of CEUR Workshop Proceedings, 22 pages, 2017.
359. Elyne Scheurwegs, Boris Cule, Kim Luyckx, Léon Luyten, Walter Daelemans. Selecting Relevant Features from the Electronic Health Record for Clinical Code Prediction. *Journal of Biomedical Informatics* 74, 92–103, 2017.
360. Giovanni Cassani, Robert Grimm, Walter Daelemans, Steven Gillis. Lexical category acquisition is facilitated by uncertainty in distributional co-occurrences. *PLoS ONE* 13 (12), e0209449, 36 pages, 2018.
361. Silke Marckx, Ben Verhoeven, Walter Daelemans. The Claus Case: Exploring the Use of Propositional Idea Density for Alzheimer Detection. *Computational Linguistics in the Netherlands Journal* 8, 66–82, 2018.
362. Luna De Bruyne, Ben Verhoeven, Walter Daelemans. Stylometric Text Analysis for Dutch-speaking Adolescents with Autism Spectrum Disorder. *Computational Linguistics in the Netherlands Journal* 8, 3–23, 2018.
363. Lisa Hilte, Reinhild Vandekerckhove, Walter Daelemans. Adolescents’ social background and non standard writing in online communication. *Dutch Journal of Applied Linguistics*, 7 (1), 2–25, 2018.
364. Cynthia Van Hee, Gilles Jacobs, Chris Emmery, Bart Desmet, Els Lefever, Ben Verhoeven, Guy De Pauw, Walter Daelemans, Véronique Hoste. Automatic detection of cyberbullying in social media text. *PLoS ONE*, 13 (10), e0203794, 22 pages, 2018.
365. Ellen Tobback, Hans Naudts, Walter Daelemans, Enric Junqué de Fortuny, David Martens. Belgian economic policy uncertainty index: improvement through text mining. *International Journal of Forecasting*, 34 (2), 355–365, 2018.
366. Madhumita Sushil, Simon Šuster, Kim Luyckx, Walter Daelemans. Patient representation learning and interpretable evaluation using clinical notes. *Journal of Biomedical Informatics* 84, 103–113, 2018.
367. Lisa Hilte, Reinhild Vandekerckhove, Walter Daelemans. Social media writing and social class: a correlational analysis of adolescent CMC and social background. *International Journal of Society, Culture and Language*, 6 (2), 73–89, 2018.
368. Simon Šuster, Walter Daelemans. CliCR: a dataset of clinical case reports for machine reading comprehension. *Proceedings of NAACL-HLT 2018*, New Orleans, LA, ACL, 1551–1563, 2018.
369. Simon Šuster, Madhumita Sushil, Walter Daelemans. Revisiting neural relation classification in clinical notes with external information. *EMNLP Workshop on Health Text Mining and Information Analysis (LOUHI)*, Stroudsburg, PA: ACL, 22–28, 2018.
370. Madhumita Sushil, Simon Šuster, Walter Daelemans. Rule induction for global explanation of trained models. *EMNLP Workshop on Analyzing and interpreting neural networks for NLP (BlackBoxNLP)*, Stroudsburg, PA: ACL, 82–97, 2018.
371. Mike Kestemont, Michael Tschuggnall, Efstathios Stamatatos, Walter Daelemans, Günther Specht, Benno Stein, Martin Potthast. Overview of the author identification task at PAN-2018: cross-domain authorship attribution and style change detection. In: Linda Cappellato et al. (eds.) *Working Notes Papers of the CLEF 2018 Evaluation Labs*, Avignon, France, September 10-14, 1–25, 2018.
372. Lisa Hilte, Walter Daelemans, Reinhild Vandekerckhove. Predicting adolescents’ educational track from chat messages on Dutch social media. In: Alexandra Balahur et al. (eds.) *Proceedings of the 9th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis*, ACL, Brussels, 328–334, 2018.
373. Tom De Smedt, Sylvia Jaki, Eduan Kotzé, Leïla Saoud, Maja Gwóźdz, Guy De Pauw, Walter Daelemans. Multilingual Cross-domain Perspectives on Online Hate Speech. CLiPS Technical Research Report, CTRS-008, ISSN 2033-3544, 24 pages, 2018.
374. Mattha Sabatelli, Mike Kestemont, Walter Daelemans, Pierre Geurts. Deep Transfer Learning for Art Classification Problems. *European Conference on Computer Vision (ECCV), 4th Workshop on Computer Vision for ART Analysis (VISART IV)*, 16 pages, 2018.
375. Stéphan Tulkens, Dominiek Sandra, Walter Daelemans. From Strings to Other Things: Linking the Neighborhood and Transposition effects in Word Reading. *Proceedings of the 22nd Conference on Computational Natural Language Learning (CoNLL 2018)*, Brussels, Belgium, 75–85, 2018.
376. Stéphan Tulkens, Dominiek Sandra, Walter Daelemans. WordKit: a Python Package for Orthographic and Phonological Featurization. *Proceedings of the Eleventh International Conference on Language Resources and Evaluation (LREC-2018)*, ELRA, Miyazaki, Japan, 2695–2703, 2018.

377. Tim Kreutz, Walter Daelemans. Enhancing General Sentiment Lexicons for Domain-Specific Use. *Proceedings of the 27th International Conference on Computational Linguistics*, Santa Fe, New Mexico, USA, 1056–1064, 2018.
378. Tim Kreutz, Walter Daelemans. Exploring Classifier Combinations for Language Variety Identification. *Proceedings of the Fifth Workshop on NLP for Similar Languages, Varieties and Dialects*, Santa Fe, New Mexico, USA, 191–198, 2018.
379. Stéphan Tulkens, Dominiek Sandra, Walter Daelemans. Metameric: Interactive Activation at human scale. *The Mental Lexicon*, 13:3, 333–353, 2018.
380. Lisa Hilte, Reinhild Vandekerckhove, Walter Daelemans. Adolescents’ perceptions of social media writing: has non-standard become the new standard? *European journal of applied linguistics*, 7:2, 189–224, 2019.
381. Robert Grimm, Giovanni Cassani, Steven Gillis, Walter Daelemans. Children probably store short rather than frequent or predictable chunks: quantitative evidence from a corpus study. *Frontiers in Psychology*, 10, 80, 2019.
382. Reinhild Vandekerckhove, Lisa Hilte, Darja Fišer, Walter Daelemans. Computer-mediated Communication (CMC) and Social Media Corpora: Introduction. *European Journal of Applied Linguistics*, Berlin, Walter de Gruyter, gmbh, 7:2, 157–161, 2019.
383. Ben Verhoeven, Walter Daelemans. Discourse lexicon induction for multiple languages and its use for gender profiling. *Digital Scholarship in the Humanities*, Volume 34, Issue 1, 208–220, 2019.
384. Robert Grimm, Michèle Pettinato, Steven Gillis, Walter Daelemans. Simulating speech processing with cochlear implants: How does channel interaction affect learning in neural networks? *PLoS ONE*, 14:2, e0212134, 2019.
385. Stéphan Tulkens, Simon Šuster, Walter Daelemans. Unsupervised concept extraction from clinical text through semantic composition. *Journal of biomedical informatics*, 91, 1–11, 2019.
386. Reinhild Vandekerckhove, Lisa Hilte, Darja Fišer, Walter Daelemans (guest eds.) Computer-mediated Communication (CMC) and Social Media Corpora. *European Journal of Applied Linguistics*, 7:2, 2019.
387. Walter Daelemans, Mike Kestemont, Enrique Manjavacas, Martin Potthast, Francisco Rangel, Paolo Rossot, Günther Specht, Efstathios Stamatatos, Benno Stein, Michael Tschuggnall, Matti Wiegmann, Eva Zangerle. Overview of PAN 2019: Bots and gender profiling, celebrity profiling, cross-domain authorship attribution and style change detection. *Experimental IR Meets Multilinguality, Multimodality, and Interaction: 10th International Conference of the CLEF Association, CLEF 2019*, Lugano, Switzerland, Springer, 402–416, 2019.
388. Mike Kestemont, Efstathios Stamatatos, Enrique Manjavacas, Walter Daelemans, Martin Potthast, Benno Stein. Overview of the cross-domain authorship attribution task at PAN 2019. *Working Notes of CLEF 2019 - Conference and Labs of the Evaluation Forum*, Lugano, Switzerland, 1–15, 2019.
389. Tim Kreutz, Walter Daelemans. How to optimize your Twitter collection. *Computational Linguistics in the Netherlands Journal*, 9, 55–66, 2019.
390. Simon Šuster, Madhumita Sushil, Walter Daelemans. Why can’t memory networks read effectively? arXiv:1910.07350, 9 pages, 2019.
391. Janneke van de Loo, Guy De Pauw, Walter Daelemans. A weakly supervised sequence tagging and grammar induction approach to semantic frame slot filling. arXiv:1906.06493, 10 pages, 2019.
392. Janneke van de Loo, Jort Gemmeke, Guy De Pauw, Bart Ons, Walter Daelemans, Hugo Van hamme. Effective weakly supervised semantic frame induction using expression sharing in hierarchical hidden Markov models. arXiv:1901.10680, 32 pages, 2019.
393. Paolo Rosso, Martin Potthast, Benno Stein, Efstathios Stamatatos, Francisco Rangel, Walter Daelemans. Evolution of the PAN lab on digital text forensics. In: Nicolas Ferro, Carol Peters (eds.) *Information Retrieval Evaluation in a Changing World*, 461–485, 2019.
394. Hessel Haagsma, Tim Kreutz, Masha Medvedeva, Walter Daelemans, Malvina Nissim (eds.) *Proceedings of the Shared Task on Cross-Genre Gender Prediction in Dutch at CLIN29 (GxG-CLIN29)*. CEUR Workshop Proceedings Volume 2453, 61 pages, 2019.
395. Hessel Haagsma, Tim Kreutz, Masha Medvedeva, Walter Daelemans, Malvina Nissim. Overview of the CLIN29 Shared Task on Cross-Genre Gender Prediction in Dutch. *CEUR Workshop Proceedings*, Volume 2453, 1–5, 2019.
396. Lisa Hilte, Reinhild Vandekerckhove, Walter Daelemans. Expressive markers in online teenage talk *Nederlandse Taalkunde*, 23:3, 293–323, 2019.
397. Eduan Kotzé, Burgert Senekal, Walter Daelemans. Automatic classification of social media reports on violent incidents in South Africa using machine learning. *South African Journal of Science*, 116:3-4, 8 pages, 2020.

2019

2020

398. Lisa Hilte, Walter Daelemans, Reinhild Vandekerckhove. Lexical Patterns in Adolescent’s Online Writing: The Impact of Age, Gender, and Education. *Written Communication*, 37:3, 365–400, 2020.
399. Lisa Hilte, Reinhild Vandekerckhove, Walter Daelemans. Linguistic accommodation in teenagers’ social media writing: convergence patterns in mixed-gender conversations. *Journal of Quantitative Linguistics*, 1–28, 2020.
400. Lisa Hilte, Reinhild Vandekerckhove, Walter Daelemans. Modeling Adolescents’ Online Writing Practices: the Sociolinguistics of Non-Standard Writing on Social Media. *Zeitschrift für Dialektologie und Linguistik*, 87:2, 173–201, 2020.
401. Nicolae Banari, Karine Lasaracina, Walter Daelemans, Mike Kestemont. Transfer learning for digital heritage collections: comparing neural machine translation at the subword-level and character-level. *Proceedings of the 12th International Conference on Agents and Artificial Intelligence - Volume 1: ARTIDIGH*, 522–529, 2020.
402. Ehsan Lotfi, Ilia Markov, Walter Daelemans. A Deep Generative Approach to Native Language Identification. *Proceedings of the 28th International Conference on Computational Linguistics (COLING 2020)*, 1778–1783, 2020.
403. Maxime De Bruyn, Jeska Buhmann, Ehsan Lotfi, Walter Daelemans, BART for knowledge grounded conversations. *Proceedings of the KDD Workshop on Conversational Systems (KDD Converse’20)*, ACM New York, 1–6, 2020.
404. Eduan Kotzé, Burgert A. Senekal, Walter Daelemans. Exploring the classification of security events using sparse and dense representation of text. *International SAUPEC/RobMech/PRASA Conference*, Cape Town, South Africa, IEEE, 143–148, 2020.
405. Jens Lemmens, Benjamin Burtenshaw, Ehsan Lotfi, Ilia Markov, Walter Daelemans. Sarcasm detection using an ensemble approach. *2nd Workshop on Figurative Language Processing*, Stroudsburg, Association for Computational Linguistics, 264–269, 2020.
406. Nicolae Banari, Walter Daelemans, Mike Kestemont. Character-level Transformer-based Neural Machine Translation. *NLPIR 2020: Proceedings of the 4th International Conference on Natural Language Processing and Information Retrieval*, Seoul Republic of Korea, 149–156, 2020.
407. Tim Kreutz, Walter Daelemans. Streaming language-specific Twitter data with optimal keywords. *Proceedings of the 12th Web as Corpus Workshop*, Marseille, France, European Language Resources Association (ELRA), 57–64, 2020.
408. Nicolae Banari, Walter Daelemans, Mike Kestemont. Neural machine translation of artwork titles using Iconclass codes. *Proceedings of the 4th Joint SIGHUM Workshop on Computational Linguistics for Figurative Language (LaTeCH-CLFL)*, Barcelona, Spain, 42–51, 2020.
409. Nikola Ljubešić, Ilia Markov, Darja Fišer, Walter Daelemans. The LiLaH Emotion Lexicon of Croatian, Dutch and Slovene. *Proceedings of the Third Workshop on Computational Modeling of People’s Opinions, Personality, and Emotion’s in Social Media*, Barcelona, Spain, ACL, 153–157, 2020.
410. Stéphan Tulkens, Dominiek Sandra, Walter Daelemans. Orthographic Codes and the Neighborhood Effect: Lessons from Information Theory.’ *Proceedings of The 12th Language Resources and Evaluation Conference (LREC)*, Marseille, France, 172–181, 2020.
411. Georg Rehm, Katrin Marheinecke, Stefanie Hegele, Stelios Piperidis, Kalina Bontcheva, Jan Hajič, Khalid Choukri, Andrejs Vasiljevs, Gerhard Backfried, Christoph Prinz, José Manuel Gómez-Pérez, Luc Meertens, Paul Lukowicz, Josef van Genabith, Andrea Lössch, Philipp Slusallek, Morten Irgens, Patrick Gatellier, Joachim Köhler, Laure Le Bars, Dimitra Anastasiou, Albina Auksoyriūtė, Núria Bel, António Branco, Gerhard Budin, Walter Daelemans, Koenraad De Smedt, Radovan Garabík, Maria Gavriilidou, Dagmar Gromann, Svetla Koeva, Simon Krek, Cvetana Krstev, Krister Lindén, Bernardo Magnini, Jan Odiijk, Maciej Ogrodniczuk, Eiríkur Rögnvaldsson, Mike Rosner, Bolette Pedersen, Inguna Skadiņa, Marko Tadić, Dan Tufiş, Tamás Váradi, Kadri Vider, Andy Way, François Yvon. The European Language Technology Landscape in 2020: Language-Centric and Human-Centric AI for Cross-Cultural Communication in Multilingual Europe. *Proceedings of The 12th Language Resources and Evaluation Conference (LREC)*, Marseille, France, 3322–3332, 2020.
412. Walter Daelemans. Hoe de computerlinguïstiek gered werd door de taalkunde en omgekeerd. *Verlagen & Mededelingen van de Koninklijke Academie voor Nederlandse Taal en Letteren*, 130 (1), 33–37, 2020.
413. Chris Emmery, Ben Verhoeven, Guy De Pauw, Gilles Jacobs, Cynthia Van Hee, Els Lefever, Bart Desmet, Véronique Hoste, Walter Daelemans. Current limitations in cyberbullying detection: on evaluation criteria, reproducibility, and data scarcity. *Language Resources and Evaluation*, 55, 597–633, 2021.
414. Nicolae Banari, Matthia Sabatelli, Pierre Geurts, Walter Daelemans, Mike Kestemont. Transfer learning with style transfer between the photorealistic and artistic domain. *IS&T International Symposium on Electronic Imaging. Computer Vision and Image Analysis of Art*, 041(1)-041(8), 2021.
415. Nicolae Banari, Walter Daelemans, Mike Kestemont. Multi-modal label retrieval for the visual arts: the case of Iconclass. *Proceedings of the 13th International Conference on Agents and Artificial Intelligence (ICAART 2021)*, Volume 1, 622–629, 2021.

2021

416. Matthia Sabatelli, Nicolae Banari, Marie Cocriamont, Eva Coudyzer, Karine Lasaracina, Walter Daelemans, Pierre Geurts, Mike Kestemont. Advances in digital music iconography: benchmarking the detection of musical instruments in unrestricted, non-photorealistic images from the artistic domain. *DHQ: digital humanities quarterly*, 15, 2021.
417. Jan Boon, Jan Wynen, Koen Verhoest, Walter Daelemans. Reforms as reputational signals: an examination of the longitudinal relation between organizational reputation and structural reform intensity. European Consortium for Political Research (ECPR) general conference, 30 August - 3 September, 2021, virtual event, 1–25, 2021.
418. Tim Kreutz, Walter Daelemans. A semi-supervised approach to classifying political agenda issues. *Proceedings of the 1st Workshop on Computational Linguistics for Political Text Analysis (CPSS-2021)*, Düsseldorf, Germany, 59–64, 2021.
419. Stiene Praet, Peter Van Aelst, Walter Daelemans, Tim Kreutz, Jeroen Peeters, Stefaan Walgrave, David Martens. Comparing automated content analysis methods to distinguish issue communication by political parties on Twitter. *Computational Communication Research*, 1–27, 2021.
420. Maxime De Bruyn, Ehsan Lotfi, Jeska Buhmann, Walter Daelemans. MFAQ: a multilingual FAQ dataset. *Proceedings of the 3rd Workshop on Machine Reading for Question Answering*, Association for Computational Linguistics, 1–13, 2021.
421. Maxime De Bruyn, Ehsan Lotfi, Jeska Buhmann, Walter Daelemans. ConveRT for FAQ Answering. *Proceedings of BNAIC/BeneLearn*, 312–319, 2021.
422. Ehsan Lotfi, Maxime De Bruyn, Jeska Buhmann, Walter Daelemans. Teach me what to say and I will learn what to pick: unsupervised knowledge selection through response generation with pretrained generative models. *Proceedings of the 3rd Workshop on Natural Language Processing for Conversational AI*, 254–262, 2021.
423. Lisa Hilde, Walter Daelemans, Reinhild Vandekerckhove. Communicating across educational boundaries: accommodation patterns in adolescents’ online interactions. *Applied Linguistics Review*, vol. 15, no. 1, 1–29, 2021.
424. Lisa Hilde, Walter Daelemans, Reinhild Vandekerckhove. Interlocutors’ age impacts teenagers online writing style: accommodation in intra- and intergenerational online conversations. *Frontiers in artificial intelligence*, 4, 1–17, 2021.
425. Lisa Hilde, Reinhild Vandekerckhove, Walter Daelemans. How do interlocutors in instant messaging influence each other’s writing style? Three case studies on accommodation in teenagers’ chat conversations. *Proceedings of the 8th Conference on Computer-Mediated Communication (CMC) and Social Media Corpora (CMC-Corpora 2021)*, 48–53, 2021.
426. Pieter Fivez, Simon Šuster, Walter Daelemans. Scalable few-shot learning of robust biomedical name representations. *Proceedings of the 20th workshop on Biomedical Language Processing*, 23–29, 2021.
427. Pieter Fivez, Simon Šuster, Walter Daelemans. Integrating higher-level semantics into robust biomedical name representations. *Proceedings of the 12th international workshop on Health Text Mining and Information Analysis*, 49–58, 2021.
428. Pieter Fivez, Simon Šuster, Walter Daelemans. Conceptual grounding constraints for truly robust biomedical name representations. *Proceedings of the 16th conference of the European Chapter of the Association for Computational Linguistics*, 2440–2450, 2021.
429. Madhumita Sushil, Simon Šuster, Walter Daelemans. Contextual explanation rules for neural clinical classifiers. *Proceedings of the 20th Workshop on Biomedical Language Processing*, 202–212, 2021.
430. Madhumita Sushil, Simon Šuster, Walter Daelemans. Are we there yet? Exploring clinical domain knowledge of BERT models. *Proceedings of the 20th Workshop on Biomedical Language Processing*, 41–53, 2021.
431. Simon Šuster, Pieter Fivez, Pietro Totis, Angelika Kimmig, Jesse Davis, Luc De Raedt, Walter Daelemans. Mapping probability word problems to executable representations. *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing*, 3627–3640, 2021.
432. Ilija Markov, Nikola Ljubešić, Darja Fišer, Walter Daelemans. Exploring Stylometric and Emotion-Based Features for Multilingual Cross-Domain Hate Speech Detection. *Proceedings of the Eleventh Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis*, 149–159, 2021.
433. Ilija Markov, Walter Daelemans. Improving Cross-Domain Hate Speech Detection by Reducing the False Positive Rate. *Proceedings of the Fourth Workshop on NLP for Internet Freedom: Censorship, Disinformation, and Propaganda*, 17–22, 2021.
434. Jens Lemmens, Ilija Markov, Walter Daelemans. Improving Hate Speech Type and Target Detection with Hateful Metaphor Features. *Proceedings of the Fourth Workshop on NLP for Internet Freedom: Censorship, Disinformation, and Propaganda*, 7–16, 2021.
435. Jens Van Nooten, Ilija Markov, Walter Daelemans. Evaluating the impact of word classes on cross-domain age detection models’ performance. *Computational linguistics in the Netherlands journal*, 11, 71–84, 2021.

436. Jens Lemmens, Tess Dejaeghere, Tim Kreutz, Jens Van Nooten, Ilija Markov, Walter Daelemans. Vaccinpraat: monitoring vaccine skepticism in Dutch Twitter and Facebook comments. *Computational linguistics in the Netherlands journal*, 173–188, 2021.
437. Lea Canales, Walter Daelemans, Estér Boldrini and Patricío Martínez-Barco. EmoLabel: Semi-Automatic Methodology for Emotion Annotation of Social Media Text. *IEEE Transactions on Affective Computing*, vol. 13, no. 2, 579–591, 2022.
438. Josefien van Olmen, Jens Van Nooten, Hilde Philips, Annet Solлие, Walter Daelemans. Predicting COVID-19 symptoms from free text in medical records using Artificial Intelligence: feasibility study. *JMIR Medical Informatics*, 10, 4, 1–9, 2022.
439. Jeska Buhmann, Maxime De Bruyn, Ehsan Lotfi, Walter Daelemans. Domain- and Task-Adaptation for VaccinChatNL, a Dutch COVID-19 FAQ Answering Corpus and Classification Model. *Proceedings of the 29th International Conference on Computational Linguistics, COLING-22*, 3539–3549, Gyeongju, Republic of Korea, ICCL, 3539–3549, 2022.
440. Walter Daelemans. Forty years of Computational Linguistics in Flanders. In: Vincent Vandeghinste (ed.) *Liber Amicorum Francisci Affinii*, 11–17, 2022.
441. Tim Kreutz, Walter Daelemans. Detecting vaccine skepticism on Twitter using heterogeneous information networks. *Natural Language Processing and Information Systems. NLDB 2022*. Lecture Notes in Computer Science, vol 13286, 370–381, 2022.
442. Ilija Markov, Ine Gevers, Walter Daelemans. An ensemble approach for Dutch cross-domain hate speech detection. *Natural Language Processing and Information Systems. NLDB 2022*. Lecture Notes in Computer Science, vol 13286, 3–15, 2022.
443. Maxime De Bruyn, Ehsan Lotfi, Jeska Buhmann, Walter Daelemans. Open-domain dialog evaluation using follow-ups likelihood. *Proceedings of the 29th International Conference on Computational Linguistics*, Gyeongju, Republic of Korea, ICCL, 496–504, 2022.
444. Jens Lemmens, Jens Van Nooten, Tim Kreutz, Walter Daelemans. CoNTACT: a Dutch COVID-19 adapted BERT for vaccine hesitancy and argumentation detection. *Proceedings of the 29th International Conference on Computational Linguistics*, Gyeongju, Republic of Korea. International Committee on Computational Linguistics, 6837–6845, 2022.
445. Ine Gevers, Ilija Markov, Walter Daelemans. Linguistic analysis of toxic language on social media. *Computational linguistics in the Netherlands journal*, 12, 33–48, 2022.
446. Chris Emmery, Akos Kadar, Grzegorz Chrupała, Walter Daelemans. Cyberbullying classifiers are sensitive to model-agnostic perturbations. *Proceedings of the Thirteenth Language Resources and Evaluation Conference*, Marseille, France. European Language Resources Association, 2976–2988, 2022.
447. Ehsan Lotfi, Maxime De Bruyn, Jeska Buhmann, Walter Daelemans. What was your name again? Interrogating generative conversational models For factual consistency evaluation. *Proceedings of the 2nd Workshop on Natural Language Generation, Evaluation, and Metrics (GEM)*, Abu Dhabi, United Arab Emirates, Association for Computational Linguistics, 509–519, 2022.
448. Maxime De Bruyn, Ehsan Lotfi, Jeska Buhmann, Walter Daelemans. 20Q: Overlap-Free World Knowledge Benchmark for Language Models. *Proceedings of the 2nd Workshop on Natural Language Generation, Evaluation, and Metrics (GEM)*, Abu Dhabi, United Arab Emirates, Association for Computational Linguistics, 494–508, 2022.
449. Maxime De Bruyn, Ehsan Lotfi, Jeska Buhmann, Walter Daelemans. Machine Translation for Multilingual Intent Detection and Slots Filling. *Proceedings of the Massively Multilingual Natural Language Understanding Workshop (MMNLU-22)*, Abu Dhabi, United Arab Emirates, Association for Computational Linguistics, 69–82, 2022.
450. Maxime De Bruyn, Ehsan Lotfi, Jeska Buhmann, Walter Daelemans. Is It Smaller Than a Tennis Ball? Language Models Play the Game of Twenty Questions. *Proceedings of the Fifth BlackboxNLP Workshop on Analyzing and Interpreting Neural Networks for NLP*, Abu Dhabi, United Arab Emirates, Association for Computational Linguistics, 80–90, 2022.
451. Andriy Kosar, Guy De Pauw, Walter Daelemans. Unsupervised text classification with neural word embeddings. *Computational linguistics in the Netherlands journal*, 12, 165–181, 2022.
452. Ilija Markov, Walter Daelemans. The role of context in detecting the target of hate speech. *Proceedings of the Third Workshop on Threat, Aggression and Cyberbullying (TRAC 2022)*, Gyeongju, Republic of Korea. Association for Computational Linguistics, 37–42, 2022.
453. Ilija Markov, Lisa Hilte, Nikola Ljubešić, Darja Fišer, Walter Daelemans. Facebook metadata dataset LiLaH-HAG, Source: <https://clarin.si/repository/xmlui/handle/11356/1483>, 2022.

454. Larissa De Brabandere, Greet Hendrickx, Karolien Poels, Walter Daelemans, Pierre van Damme, Kirsten Maertens. Influence of the COVID-19 pandemic and social media on the behaviour of pregnant and lactating women towards vaccination: a scoping review. *BMJ Open*, 13, 2, 1–19, 2023.
455. Nicolae Banari, Walter Daelemans, Mike Kestemont. Transfer learning for the visual arts: the multi-modal retrieval of Iconclass codes. *Journal on computing and cultural heritage*, Volume 16, 2, Article 32, 1–16, 2023.
456. Lisa Hilte, Iliia Markov, Nikola Ljubešić, Darja Fišer, Walter Daelemans. Who are the haters? A corpus-based demographic analysis of authors of hate speech. *Frontiers in Artificial Intelligence*, 6, 1–12, 2023.
457. Wojciech Trzebiński, Toni Claessens, Jeska Buhmann, Aurélie De Waele, Greet Hendrickx, Pierre Van Damme, Walter Daelemans, Karolien Poels. The effects of expressing empathy/autonomy support using a COVID-19 vaccination Chatbot: experimental study in a sample of Belgian adults. *JMIR Formative Research*, 7, 1–16, 2023.
- Jan Boon, Jan Wynen, Walter Daelemans, Jens Lemmens, Koen Verhoest. Agencies on the parliamentary radar: exploring the relations between media attention and parliamentary attention for public agencies using machine learning methods. *Public administration*, Royal Institute of Public Administration, London, 1–19, 2023.
458. Jens Lemmens, Iliia Markov, Walter Daelemans. The LiLaH Emotion Lexicon of Greek, Kurdish, Turkish, Spanish, Farsi and Chinese. Dataset: <https://taalmaterialen.ivdnt.org/download/lilah-extended/>, 2023.
459. Jens Lemmens, Iliia Markov, Walter Daelemans. The LiLaH Emotion Lexicon of Greek, Kurdish, Turkish, Spanish, Farsi and Chinese. CLiPS Technical Report 9, CTRS-009, 1–5, 2023.
460. Andriy Kosar, Guy De Pauw, Walter Daelemans. Advancing Topical Text Classification: A Novel Distance-Based Method with Contextual Embeddings. *Proceedings of the 14th International Conference on Recent Advances in Natural Language Processing*, Varna, Bulgaria. INCOMA Ltd., Shoumen, Bulgaria, 586–597, 2023.
461. Ehsan Lotfi, Maxime De Bruyn, Jeska.buhmann, Walter Daelemans. Follow the Knowledge: Structural Biases and Artefacts in Knowledge Grounded Dialog Datasets. *Proceedings of the Third DialDoc Workshop on Document-grounded Dialogue and Conversational Question Answering*, Toronto, Canada. Association for Computational Linguistics, 109–121, 2023.
462. Nerses Yuzbashyan, Nikolay Banar, Iliia Markov, Walter Daelemans. An Exploration of Zero-Shot Natural Language Inference-Based Hate Speech Detection. *LT-EDI 2023 – Third Workshop on Language Technology for Equality, Diversity and Inclusion*, Varna, Bulgaria, 1–9, Sep 7, 2023.
463. Frieda Steurs, Vincent Vandeghinste, Walter Daelemans. Language Report Dutch. In: G. Rehm, A. Way (eds.) *European Language Equality. Cognitive Technologies*, Springer, Cham, 123–126, 2023.
464. Jens Lemmens, Walter Daelemans. Combining Active Learning and Task Adaptation with BERT for Cost-Effective Annotation of Social Media Datasets. *Proceedings of the 13th Workshop on Computational Approaches to Subjectivity, Sentiment, & Social Media Analysis*, Toronto, Canada, Association for Computational Linguistics, 237–250, 2023.
465. Jens Van Nooten, Walter Daelemans. Improving Dutch Vaccine Hesitancy Monitoring via Multi-Label Data Augmentation with GPT-3.5. *Proceedings of the 13th Workshop on Computational Approaches to Subjectivity, Sentiment, & Social Media Analysis*, Toronto, Canada, Association for Computational Linguistics, 251–270, 2023.
466. Ehsan Lotfi, Maxime De Bruyn, Jeska Buhmann, Walter Daelemans. PersonalityChat: Conversation Distillation for Personalized Dialog Modeling with Facts and Traits. *Proceedings of the Third Workshop on Natural Language Generation, Evaluation, and Metrics (GEM)*, Singapore, Association for Computational Linguistics, 353–371, 2023.
467. Christian Ohmann, Maria Panagiotopoulou, Steve Canham, Petr Holub, Kurt Majcen, Gary Saunders, Maddalena Fratelli, Jing Tang, Philip Gribbon, Reagon Karki, Mari Kleemola, Katja Moilanen, Daan Broeder, Walter Daelemans, Pieter Fivez. Proposal for a framework of contextual metadata in selected research infrastructures of the life sciences and the social sciences & humanities. *International Journal of Metadata, Semantics and Ontologies*, 261–277, 2023.
468. Christian Ohmann, Steve Canham, Kurt Majcen, Petr Holub, Gary Saunders, Jing Tang, Tanushree Tunstall, Philip Gribbon, Reagon Karki, Mari Kleemola, Katja Moilanen, Walter Daelemans, Pieter Fivez, Daan Broeder, Franciska de Jong, Maria Panagiotopoulou. Improving COVID-19 metadata findability and interoperability in the European Open Science Cloud. ARPHA Preprints, 2023.
469. Walter Daelemans. ChatGPT: dichter of denker?. *Verslagen en Mededelingen van de KANTL*, 33–51, 2023.
470. Jens Van Nooten, Andriy Kosar, Guy De Pauw, Walter Daelemans. Advancing CSR Theme and Topic Classification: LLMs and Training Enhancement Insights. *Proceedings of the Joint Workshop of the 7th Financial Technology and Natural Language Processing, the 5th Knowledge Discovery from Unstructured Data in Financial Services, and the 4th Workshop on Economics and Natural Language Processing*, Torino, Italia, Association for Computational Linguistics, 292–305, 2024.

471. Nerses Yuzbashyan, Nicolae Banar, Walter Daelemans. Dialogue-Level Data Augmentation for Conversation Derailment Forecasting and Topic-Shift Detection. *Proceedings of the 8th International Conference on Natural Language Processing and Information Retrieval*, New York, NY, USA, Association for Computing Machinery, 179–185, 2024.
472. Jan Boon, Jan Wynen, Walter Daelemans, Jens Lemmens, Koen Verhoest. Agencies on the parliamentary radar: Exploring the relations between media attention and parliamentary attention for public agencies using machine learning methods. *Public Administration*, 102 (3), 1026–1044, 2024.
473. Walter Daelemans. Between language and knowledge. *Demystifying Artificial Intelligence: Symbolic, Data-Driven, Statistical and Ethical AI*, De Gruyter, 343–394, 2024.
474. Jens Lemmens, Walter Daelemans. Styloscope and Toposcope: Towards User-Friendly Digital Text Analysis. CLiPS Technical Report Series, CTRS-010, 10 pages, 2024.
475. Jens Van Nooten, Walter Daelemans. Multiscope: A User-Friendly Multi-Label Text Classification Dashboard. CLiPS Technical Report Series, CTRS-011, 14 pages, 2024.
476. Ine Gevers, August De Mulder, Walter Daelemans. Towards a large scale analysis of claims: Developing a machine learning method for detecting and classifying politicians’ claims of representation. *Journal of Computational Social Science*, 7 (1), 917–961, 2024.
477. Pieter Fivez, Walter Daelemans, Tim Van de Cruys, Yury Kashnitsky, Savvas Chamezopoulos, Hadi Mohammadi, Anastasia Giachanou, Ayoub Bagheri, Wessel Poelman, Juraj Vladika, Esther Ploeger, Johannes Bjerva, Florian Matthes, Hans van Halteren. The CLIN33 Shared Task on the Detection of Text Generated by Large Language Models. *Computational Linguistics in the Netherlands Journal*, 13, 233–259, 2024. Dataset: Zenodo, 2024.
478. Andriy Kosar, Guy De Pauw, Walter Daelemans. Comparative Evaluation of Topic Detection: Humans vs. LLMs. *Computational Linguistics in the Netherlands Journal*, 13, 91–120, 2024.
479. Lisa Hilde, Walter Daelemans, Reinhild Vandekerckhove. Communicating across educational boundaries: Accommodation patterns in adolescents’ online interactions. *Applied Linguistics Review*, 15:1, 1–29, 2024.
480. Jens Lemmens, Walter Daelemans. Model Priming with Triplet Loss for Few-Shot Emotion Classification in Text. *27th European Conference on Artificial Intelligence*, Santiago De Compostella, Santiago De Compostella, Spain, 2637–2644, 2024.
481. Cristina Arhiliuc, Raf Guns, Walter Daelemans, Tim Engels. Journal article classification using abstracts: a comparison of classical and transformer-based machine learning methods. *Scientometrics*, 130 (1), 313–342, 2025.
482. Andriy Kosar, Mariia Butynets, Guy De Pauw, Walter Daelemans. Evaluating LLM-Generated Topic Names via Text Reconstruction. *Computational Linguistics in the Netherlands Journal*, 14, 43–65, 2025.
483. Ine Gevers, Walter Daelemans. Bag of Lies: Robustness in Continuous Pre-training BERT. *Computational Linguistics in the Netherlands Journal*, 14, 67–84, 2025. Dataset: Zenodo, 2025.
484. Jan Boon, Jan Wynen, Koen Verhoest, Walter Daelemans, Jens Lemmens. A reputational perspective on structural reforms: how media reputations are related to the structural reform likelihood of public agencies. *Journal of Public Administration Research and Theory*, 35 (1), 58–72, 2025.
485. Ine Gevers, Victor De Marez, Luna De Bruyne, Walter Daelemans. WinoWhat: A Parallel Corpus of Paraphrased WinoGrande Sentences with Common Sense Categorization. *Proceedings of the 29th Conference on Computational Natural Language Learning*, Vienna, Austria, Association for Computational Linguistics, 68–80, 2025. Dataset: Zenodo, 2025.
486. Ehsan Lotfi, Nikolae Banari, Walter Daelemans. BEIR-NL: Zero-shot Information Retrieval Benchmark for the Dutch Language. *Proceedings of the 18th Workshop on Building and Using Comparable Corpora (BUCC)*, Abu Dhabi, UAE, Association for Computational Linguistics, 36–45, 2025. Dataset: Huggingface, 2025.
487. Jens Van Nooten, Walter Daelemans. Jump To Hyperspace: Comparing Euclidean and Hyperbolic Loss Functions for Hierarchical Multi-Label Text Classification. *Proceedings of the 31st International Conference on Computational Linguistics*, Association for Computational Linguistics, 4260–4273, 2025.
488. Ehsan Lotfi, Nikolay Banar, Nerses Yuzbashyan, Walter Daelemans. Bilingual BSARD: Extending Statutory Article Retrieval to Dutch. *Proceedings of the 1st Regulatory NLP Workshop (RegNLP 2025)*, Abu Dhabi, UAE, Association for Computational Linguistics, 10–21, 2025. Dataset: Huggingface, 2025.
489. Eduan Kotzé, Burgert Senekal, Walter Daelemans. Leveraging Language Models for Document Type Classification in Low-Resource Afrikaans Archives. *Proceedings of the 6th Southern African Conference (SACAIR)*, Cape Town, South Africa, 20–38, 2025.

490. Ine Gevers, Victor De Marez, Jens Van Nooten, Jens Lemmens, Andriy Kosar, Ehsan Lotfi, Nikolay Banar, Pieter Fizez, Luna De Bruyne, Walter Daelemans. In *Benchmarks We Trust ... Or Not? Proceedings of the 2025 Conference on Empirical Methods in Natural Language Processing*, Suzhou, China, Association for Computational Linguistics, 23662–23676, 2025.
491. Vincent Vandeghinste, Walter Daelemans, Luna De Bruyne, Tim Van de Cruys, Els Lefever. CLARIN in CLARIAH-VL+: Plans for 2025-2028. *Proceedings CLARIN Annual Conference*, Vienna, Austria, 118–123, 2025.