

# CURRICULUM VITAE

*Walter Daelemans*

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Place and date of birth:	Deurne (now Antwerp, Belgium), June 3rd, 1960
Nationality:	Belgian
Position:	Full Professor (gewoon hoogleraar)
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## 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.

## Experience

### Current Affiliations

Full Professor; Department of Linguistics, Computational Linguistics, Psycholinguistics and Sociolinguistics Research Center (CLiPS), Computational Linguistics Group, University of Antwerp. Research on and teaching of Computational Linguistics and Artificial Intelligence. Research director of CLiPS. (October 1999 - December 2005, *hoogleraar*; from January 2006 *gewoon hoogleraar*).

Advisory Board of the Center for Linguistic Studies, Radboud University Nijmegen. From 2018.

Co-founder and director of TEXTUA (UAntwerp core facility on Text Mining).

## Previous Affiliations

Research Assistant, Language Technology Project, Faculty of Social Sciences, Department of Psychology, *University of Nijmegen*. Artificial Intelligence research and development. February 1984 – August 1985.

Military service, Computer Department, Royal Higher Institute for Defense, Military Academy, Brussels. Development and maintenance of administrative programs and computer war simulations (“telebattle”), September 1985 – June 1986.

Research Assistant, Artificial Intelligence Laboratory, Faculty of Sciences, Computer Science Department, *Free University of Brussels*. Artificial Intelligence research on Office Automation and Natural Language Processing, July 1986 – January 1989.

Computational Linguistics and AI, Faculty of Language and Literature, *Tilburg University*. Research on and teaching of Natural Language Processing and Artificial Intelligence. Assistant Professor (Universitair Docent, February 1989 – February 1994); Research Scientist (Toegevoegd Onderzoeker C, March 1994 – December 1995); Associate Professor (Universitair Hoofddocent, January 1996 – October 1999). Interim Scientific Director of the Tilburg Institute for Language Technology and AI (ITK) (March – November 1995). Founder and Research Director of the ILK (Induction of Linguistic Knowledge) research group (January 1997). Part-time Associate Professor (Universitair Hoofddocent), and co-director of ILK (October 1999 – September 2002). Part-time full professor (hoogleraar) *Machine Learning and Language Technology* and co-director of ILK (January 2003 – December 2005).

Assistant Professor (January 1990 – December 1995); Associate Professor (January 1996 – October 2003); Professor (January 2003 – December 2005) of the Nijmegen/Tilburg Center for Language Studies (CLS) research institute and LOT (Netherlands Graduate School of Linguistics).

Part-time Associate Professor (Hoofddocent), Linguistics Department, *University of Antwerp*. January 1990 – February 1999; Part-time Professor (Hoogleraar), February 1999 – October 1999.

Guest Professor “Techniques of Artificial Intelligence: Text Mining”, Faculty of Sciences, Computer Sciences, AI-LAB, VUB (*University of Brussels*), October 2000 – October 2003.

Guest Professor “Text Mining”, MA Human Aspects of Information Technology, Faculty of Humanities, Tilburg University, November-December 2007.

Research Fellow of the Tilburg Centre for Cognition and Communication, Tilburg University. 2009-2018.

# Project Management

## Current Projects

- IOF: POC CREATE project, “Context-Aware Fashion Recommendations through Image Processing and Conversational Language Technology.” (*Daelemans*, Kestemont), 01/05/2022-30/04/2023, researcher: Nicolae Banari, [125,000 EURO].
- BOF: TOP project, “Trust me, I defend your interests”. A Multidisciplinary Study of Politicians’ Representative Claims and their Effects on Citizens.” (*Walgrave*, *Daelemans*), 01/01/2022-31/12/2025, researcher: Ine Gevers, [440,358 EURO].
- BOF: Core Facilities, “Antwerp Text Mining Centre (TEXTUA).” (*Daelemans*, Kestemont, Oramas, Martens), 01/01/2022-31/12/2026, researcher: Pieter Fivez, [400,000 EURO].
- Vaccine Confidence Fund (Global Impact, USA charity), “Research to increase confidence in maternal vaccination by digital communication interventions.” (*Maertens*, *Poels*, *Jacoby*, *Daelemans*), 23/09/2021-28/02/2022, [248,491 EURO].
- VLAIO Baekeland, “Intelligent document management through automatic topic discovery.” (with Textgain), researcher: Andriy Kosar, 01/08/2021-31/07/2025, [48,000 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.” (*Poels*, *Van Damme*, *Vandebosch*, *Daelemans*), 01/03/2021-30/06/2022, [250,000 EURO]
- EU project, “European Language Equality (ELE).” 01/01/2021-30/06/2022 [15,000 EURO].
- FWO International Research Infrastructure, “CLARIAH-VL 2: Open Humanities Service Infrastructure.” (*Van Hulle*, *Soens*, *Kestemont*, *Daelemans*), 01/02/2021-31/01/2025, researcher: Jens Lemmens, [1,036,500 EURO].
- BOF Excellence Center, “Research Centre on Representatives and their Communication (RCRC).” (*Walgrave*, *Paulussen*, *Van Aelst*, *Daelemans*), 1/1/2020-31/12/2025, [600,000 EURO].
- FWO scientific research community, “Dialect Syntax Revisited.” 1/1/2020-31/12/2024, [15,625 EURO].
- Flanders AI Project, Grand Challenge 4, WP2, Natural Language Processing, “Conversational Agents.” (core PI *Daelemans*) 01/07/2019-, researchers: *Jeska Buhmann*; *Ehsan Lotfi*; *Maxime De Bruyn*, [2,635,845 EURO], (with *Latr e*, *Goethals*, *Daelemans* and others).
- FWO SLOVENIA project, “The linguistic landscape of hate speech on social media.” 01/01/2019-31/12/2022, researchers: *Ilia Markov*, *Tom De Smedt*, [359,200 EURO].
- FWO Junior postdoctoral fellowship to *Lisa Hilde*, “Accommodation and non-accommodation in adolescents’ informal online writing: Social determiners and linguistic effects.” (*Vandekerckhove*, *Daelemans*), 01/10/2019-20/09/2022, [248,828 EURO].
- FWO senior postdoctoral fellowship to *Jan Boon*, “Reputation and Structural Reforms of Public Organizations: Explaining Temporal Dynamics.” (*Verhoest*, *Daelemans*), 01/10/2019-20/09/2022, [275,541 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), “Morfofonologische aspecten van het Nederlandse lexicon.” (Morphophonological Aspects of the Dutch Lexicon), (Coordination: *Gillis*, Daelemans, De Schutter, Taldeman), 1/1/1990-31/12/1993, 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.”, 1994-1996, researcher: Bart Van Hoorick, [61,970 EURO].
- NFWO Research Grant 2.0101.94 (FKFO), “De verwerving van talige kennis: cognitieve en taal-technologische aspecten.” (The acquisition of linguistic knowledge: cognitive and language technology aspects), (Coordination: Daelemans, *Gillis*, De Schutter, Taldeman, Cuyt), 1/1/1994-31/12/1997, researcher: Gert Durieux, [198,300 EURO].
- KEMA project, “Data Mining for prediction of cooling water restrictions in power stations.”, 1994-95, researcher: Jakub Zavrel, [18,150 EURO]. **1995**
- NFWO grant, “Electronic Archive for Language Technology of Dutch.” (with *Gillis*), 1995, [12,390 EURO].
- Research Council University of Antwerp (sponsored by Flemish Government) project, “Memory-Based Part of Speech Tagging”, (Coordination: *Daelemans*, *Gillis*), 1/7/1995-30/6/1996, researcher: Peter Berck, [34,700 EURO].
- IWT Research Grant 940047, “FONILEX: een uitspraaklexicon voor het Nederlands in Vlaanderen.” (A Pronunciation Lexicon of Flemish Dutch), (Coordination: *Gillis*, Daelemans), Cooperation with CCL (Mertens) and ELIS (Van Coile), 1/7/1995-30/4/1997, researcher: Peter Berck, [27,270].
- CLS PhD Project, “Machine Learning as a Tool in Linguistic Research.”, 1/2/1995 - 31/1/1999 (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), 1/9/1995-31/12/1999, researcher: Machiel Westerdijk, [90,760 EURO]. **1996**
- NFWO-NWO Flemish-Dutch cooperation research project G.2201.96, “A data-driven model of language acquisition: computational and psycholinguistic studies.”, (coordination: De Schutter, *Gillis*, Daelemans), 1/1/1996-30/9/1999. Extended until 31/12/2000, researcher: Masja Kempen, [260,585 EURO]. **1997**
- SOBU PhD Project 97J “Leeralgoritmen voor de constructie van een voorleesmodel.” (Machine Learning for linguistic aspects of Text-to-Speech), (Cooperation with Eindhoven technical University, R. Collier), 1/1/1997-31/12/2000, researcher: Bertjan Busser, [90,760 EURO].

CLS PhD Project, “Memory-Based Syntactic Analysis.”, 1/1/1997-31/12/2000. researcher: Jorn Veenstra, [84,090 EURO].

BOF, University of Antwerp, library credit, “Machine Learning of Language.”, 1/1/1997-31/12/1997, [992 EURO].

FWO Research Grant G.0157.97, “Linguaduct: Contextuele interpretatie van natuurlijke taal door middel van abductieve redenering en inductief verworven kennis.” (Contextual interpretation of natural language by means of abductive reasoning and inductively acquired knowledge), Cooperation with CCL, and Computer Science Leuven, Computer Science UIA), 1/1/1997-31/12/2000, 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), [114,000 EURO].

NWO project ILK (Induction of Linguistic Knowledge): PhD Project 300-75-302, “Machine Learning of Subcategorisation.”, 1/5/1997-30/6/2001, researcher: Sabine Buchholz, Post-doc Project 300-75-301, “Generalization and Abstraction from Language Data.”, researcher: 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**

ESPRIT TMR network 970139, “Extending Computational Grammars by Learning”, April 1, 1998 - July 31, 2001, researcher: dr. Erik Tjong Kim Sang, [210,000 EURO].

FWO PhD Project “Syntax as bottleneck in language technology research.”, (Supervision: *Daelemans*, Gillis), 1/10/1998-30/9/2002, researcher: Guy De Pauw, [123,950 EURO].

SOBU PhD Project 98D, “Automatische inductieve leertechnieken voor planningssystemen.” (Automatic inductive learning for planning), 1/12/1998-1/12/2002. (Coordination: *van den Bosch*, Daelemans). Cooperation with Eindhoven University (Weijters), researcher: Laura Maruster, [90,910 EURO].

Concerted Research Action (GOA) Flemish Government, “Computational Psycholinguistics: natural and artificial language acquisition and processing.”, (Coordination: *Gillis*, Daelemans, De Schutter) in cooperation with UFSIA (Sandra), 1/1/1998-31/12/2001, researchers: Gert Van Rillaer, Gert Durieux, Helena Taelman, Evelyn Martens, [495,787 EURO]. Extension 1/1/2002-31/12/2003, researchers: Gert Durieux, Evelyn Martens, [242,940 EURO]. (Total GOA budget: 1,167,207 EURO).

**1999**

NWO subsidies in the framework of the Dutch-Flemish *Corpus Gesproken Nederlands* (Corpus Spoken Dutch) project; “Evaluation of part-of-speech taggers.”, 15/2/99-15/6/99, [12,480 EURO] and “Construction of a tagger factory.”, 1/9/99-31/12/2002, [10,180 EURO], researcher: Jakub Zavrel (1/2/99-1/9/99).

CELE, S.A.I.L Trust research project, “Neuro-evolutionary language and speech technology.”, 1/4/1999 - 31/12/2000, researchers: Anne Kool (from 1/4/1999), Jakub Zavrel (from 1/9/1999), [176,893 EURO].

**2000**

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].

Flemish Government (Economy), minister Dirk Van Mechelen, “Analysis of the domain of language technology and image processing.”, 1/11/2000-31/10/2002, [12,394 EURO].

E-Corporation N.V. research project, “Topic spotting and tracking in newspaper text.”, 1/7/2000-31/7/2003, researcher: Eric Van Horenbeeck, [148,740 EURO].

IWT STWW (Strategische Technologieën voor Welzijn en Welvaart) TOP project, “ATRANOS: Automatic Transcription and Normalisation of Speech.”, 1/10/2000-30/9/2004. In cooperation with CCL and ESAT, Leuven, and ELIS Gent, researchers: Bart Decadt (until July, 2001); Erik Tjong Kim Sang (from July, 2001), [341,225 EURO].

- FWO Wetenschappelijke Onderzoeksgemeenschap (Scientific Research Community), “Computational Linguistics, Language and Speech Technology.”, 1/1/2000-31/12/2004. With CCL, ESAT, ELIS, ETRO, Lessius, ARTI, [10,337 EURO]. **2001**
- Nederlandse Taalunie project, “Action plan Dutch in language and speech technology.”, 1/1/2001-31/08/2001, researcher: Masja Kempen, [30,608 EURO].
- FWO-NWO Flemish-Dutch cooperation research project (VNC project) G.2201.01 “Text Analysis and Machine Learning for Prosody” (PROSIT), 1/1/2001-31/12/2004, (Coordination *Daelemans*, Gillis, Swerts). Cooperation with Tilburg University ILK research group (*Van den Bosch*, Daelemans, Pajmans), researcher: Véronique Hoste, [212,593 EURO].
- FWO project, “Language acquisition in children with a cochlear implant.”, 1/1/2001-31/12/2004, (Coordination *Gillis*, Daelemans). Cooperation with UIA medical faculty (Offeciers, Govaerts), [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, 1/5/2001-31/1/2004. **2002**
- FWO hardware grant, “Genetic algorithms and data mining for language and speech technology.” (parallel computer cluster), (Coordination: *Naudts*, Calders, Daelemans), 2002, [34,160 EURO].
- EU project, “METIS (Statistical Machine Translation using Monolingual Corpora)”, IST-2001-32775, 1/3/2002-28/2/2003, 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.”, 1/10/2002-30/09/2003, researcher: Fien De Meulder, [25,000 EURO].
- EU project, “MUSA (Multilingual Subtitling of Multimedia Content),” IST-2002-38299, 1/9/2002-28/2/2005. Partners: ILSP (coordinator), CNTS, 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.”. In cooperation with CCL, Leuven, 1/1/2002-31/12/2005, researcher: Bart Decadt, [217,551 EURO].
- IWT-GBOU project, “OntoBasis. Foundations, construction, services, and applications of Ontologies.”, 1/1/2002-31/12/2005. In cooperation with STAR and WISE, Brussels, researcher: Marie-Laure Reinberger, [365,831 EURO].
- IWT GBOU project, “FLAVOR (Flexible Large Vocabulary Recognition).”, 020192, 1/10/2002-30/9/2006. (Coordination: *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 Application.”, 1/1/2002-31/12/2006. Participants: CNTS, Computational Modeling Lab (VUB), ESAT-SISTA (University of Leuven), DTAI (University of Leuven), ISLab (University of Antwerp), [12,500 EURO]. **2003**
- FWO PhD Project, “The use of very large textcorpora in the automatic discovery of structure in natural language.”, (Supervision: *Daelemans*, Van Der Auwera), 1/10/2003-30/9/2007, researcher: Fien De Meulder. Stopped January 2005. [31,084 euro].

- BOF-NOI project, “Semi-supervised learning of Information Extraction.”, 1/1/2003-31/12/2004, extended 1/4/2005. (Coordination: *Tjong Kim Sang*, Paredaens, Daelemans), researcher: An De Sitter. From 1/9/2004, coordination Daelemans and Paredaens, from 1/1/2005, researcher: Véronique Hoste. [78,000 EURO].
- NWO IMIX small programme, “ROLAQUAD: Robust language understanding for question answering dialogues.” (*Daelemans*, van den Bosch), 1/12/2003-30/11/2007, researchers: Sander Canisius, dr. Piroska Lendvai, [299,867 EURO].
- EU project, “BIOMINT (Biological Text Mining).”, QLRT-2001-02770, 1/1/2003-3/03/2006, Partners University of Manchester (coordinator), CNTS, PharmaDM, OFAI, 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, Network of Excellence, “PASCAL: Pattern Analysis, Statistical Modelling and Computational Learning.”, 1/12/2003-29/02/2008, [128,000 EURO]. **2004**
- FWO project, “Situational factors in the production of inflected word forms: a psycholinguistic and computational approach.”, (*Sandra*, Martensen, Daelemans), 1/1/2004-31/12/2007, Researcher: Emmanuel Keuleers, [226,900 EURO].
- EWI, Flanders Ministry of Science, Innovation and Media, “Supercomputing cluster project.”, 1/1/2004-31/12/2006. (*Cuyt*, Peeters, Van Broeckhoven, De Schutter, Van Alsenoy, Daelemans), [1,000,000 EURO]. **2005**
- EU PASCAL pump priming project, “Textual Entailment: a Generic Framework for Applied Semantic-oriented Inference.”, In cooperation with Bar-Ilan University, XEROX Grenoble, University of Geneva, 1/3/2005-31/12/2005, researcher: Anja Höthker, [20,000 EURO].
- NTU STEVIN project, “COREA: Coreference Resolution for Extracting Answers.”, In cooperation with University of Groningen and Language and Computing, 1/4/2005-1/5/2007, (extended until 31/10/2007), researchers: Véronique Hoste. From May 1, 2006: Iris Hendrickx, [181,260 EURO]. **2006**
- NTU STEVIN project, “DAESO: Detecting and Exploiting Semantic Overlap.”, in cooperation with University of Tilburg, University of Amsterdam, and Textkernel, 01/06/2006-31/05/2009, researcher: Iris Hendrickx, [154,999 euro].
- FWO project, “Computational techniques for stylometry for Dutch.”, 1/1/2006-31/12/2010 (prolonged), (*Daelemans*, De Pauw, Vanhoutte), researchers: Kim Luyckx (until 30/9/2010), Mihai Tolea (from 1/10/2008 to 30/9/2009), Frederik Vaassen (from 1/9/2009 to 31/12/2009), [227,700 EURO].
- FWO W.O.G. (Scientific research Community), “CLIF: Computational Linguistics in Flanders.” (inter-university cooperation on Computational Linguistics, Language and Speech Technology), 1/1/2006-31/12/2012, [12,500 EURO]. **2007**
- IWT (TETRA fund) project, “GRAVITAL: natural language analysis for generating visual communication and art.”, in cooperation with Sint-Lucas (KdG University College, 01/01/2007-31/12/2008, (*Nijs*, Daelemans), researcher: Vincent Van Asch, [74,412 euro].
- BOF GOA project, “Biograph: Text Mining with Heterogeneous knowledge bases.”, 1/7/2007-31/12/2011. (*Daelemans*, Paredaens, Del-Favero, De Rijk), researchers: Roser Morante, Emmanuel Keuleers (1/1/2008-30/6/2008), Vincent Van Asch (from 1/1/2009 to 31/1/2012), [1,103,000 EURO].
- FWO PhD project, “Exemplar-based models of human sentence comprehension.”, 1/10/2007-30/9/2011. (*Sandra*, Daelemans), researcher: Bram Vandekerckhove, [151,701 EURO].

**2008**

- NTU STEVIN demonstration project, “NEON: Dutch Subtitling.” with Twente University, VRT, NOS, University of Leuven, University of Ghent, 1/4/2008-31/5/2009, [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.”, 1/1/2008-30/9/2012, (*Willaert*, *Daelemans*), researcher: Mike Kestemont, [154,500 EURO].
- EU Project FP6, ICT-216886-PASCAL2, Network of Excellence, “PASCAL 2: Pattern Analysis, Statistical Modelling and Computational Learning.”, 1/3/2008-28/2/2011, [7,200 euro].

- EU Project FP6, ECP-2007-LANG-617001, “Fostering Language Resources Network (FLARE-NET).”, 1/9/2008-31/8/2011, [9,000 euro].

**2009**

- BOF project, “Towards a synthesis of knowledge-based and data-based methods in computational linguistics.”, 1/10/2009-30/9/2011, [30,000 EURO].

- FWO W.O.G. (Scientific Research Society), “Machine Learning and Data Mining Applications.” (inter-university cooperation on Machine Learning), 1/1/2009-31/12/2013, [8929 EURO].

**2010**

- IWT SBO preproject, “AMICA: Automatic monitoring for cyberspace applications.”, 1/10/2010-30/9/2011. researcher: Kim Luyckx, [72,600 EURO].

- IWT Tetra project, “Delearyous: interpersonal communication training of natural language interaction with autonomous virtual characters.”, (*Daelemans*, *Eneman*). Cooperation with Groep T Leuven, 1/1/2010-31/12/2012, researcher: Frederik Vaassen, [81,400 EURO].

- EWI research project, “STYLENE: a web service for stylometry and readability research for the Dutch language.” (*Daelemans*, *Hoste*), Cooperation with LT3 Ghent, 1/1/2010-30/9/2012, Researcher: Koen Vereeken, Herwig De Smedt, [120,000 EURO].

- EWI research project, “TTNWW: TST tools for Dutch as web services in a workflow.”, 1/1/2010-30/9/2012, [59,000 EURO].

- FWO research project, “Statistical Relational Learning of Natural Language.”, (Cooperation with De Raedt), 1/1/2010-31/12/2013, researcher: Vincent Van Asch, [269,800 EURO].

- BOF PhD project, “DAPHNE: A safer internet: semi-automatically recognizing internet paedophilia in multilingual online social networks.” (*Daelemans*, *Van Vaerenbergh*), 1/1/2010-31/12/2013, researcher: Claudia Peersman, [167,200 EURO].

**2011**

- Artesis project (BOF), “Audio Description in Dutch: corpus research for a new multimodal translation form.”, 14/2/2011-1/7/2012. (*Remael*, *Daelemans*), researcher: Nina Reviere, [35,000 EURO].

- Nationale Bank van België project, “Analyseren van de impact van nieuws- en beursberichten op Belgische aandelprijzen via tekstmining.”, (*Martens*, *Daelemans*), 1/1/2011-31/12/2012, researcher: Enric Junqué de Fortuny, [44,000 EURO].

- NRF-DAC (South-Africa) project, “Genre Classification for Document Management.”, (*Van Huyssteen*, *Daelemans*), (with CText, Trifonius), 2011-2012.

- IWT SBO project, “ALADIN: Adaptation and Learning for Assistive Domestic Vocal Interfaces.” researchers: Janneke van de Loo, Guy De Pauw, 1/1/2011-31/12/2014, [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”, 1/1/2011-31/12/2014 (extended without additional funding), (*Schepers*, Daelemans), researcher: Renske van Nie, [259,000 EURO]. **2012**
- BOF (UA AUHA) project, “Digitaal Archief van Belgische Neo-Avant-gardetijdschriften (DABNAP).”, (*Daelemans*, Crombez), 1/1/2012-31/12/2013. researchers: Sarah Bekaert, Frederik Vaassen, [20,000 EURO].
- NTU-DAC (Dutch Language Union,) project “Automatic Compound Processing (AuCoPro).”. 1/1/2012-31/12/2013 (*Van Huyssteen*, Daelemans, Van Zaanen), researcher: Ben Verhoeven, [6,500 EURO].
- FWO Postdoc Mike Kestemont, “A medieval Stylome? Exploring the Universal Stylome Hypothesis in medieval prose.”, (*Willaert*, Daelemans), 1/10/2012-30/09/2015 [241,731 EURO].
- FWO project, “Abstract rules or statistical learning? The impact of lexical and sublexical homophony in spelling and reading homophonous verb forms.”, (*Sandra*, Daelemans), 1/1/2012-31/12/2015, researcher: Nina Verhaert, [263,000 EURO]. **2013**
- EU subcontract, “Evaluation of Tools in Succeed.”, 25/10/2013-24/10/2014, [7200 EURO].
- IWT SBO project, “Automatic Monitoring for Cyberspace Applications (AMiCA).”, 1/1/2013-31/12/2016. (*Daelemans*, Hoste, Van Gool, Poels, De Turck), 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].
- 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”).
- IWT PhD project Elyne Scheurwegs, “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), [172,118 EURO].
- FWO aspirant Ben Verhoeven, “Deep Linguistic Features for Computational Stylometry.”, 1/10/2014-30/9/2018, [89,222 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]. **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 (AC-CUMULATE).” 1/1/2016-1/6/2020. (Daelemans, Aerts, Luyckx, Van den Bosch, *Moens*), researchers: Stéphan Tulkens, Pieter Fivez, Simon Šuster, Madhumita Sushil, [737,900 EURO].
- FWO aspirant Stéphan Tulkens, “The role of semantics in modeling the bilingual mental lexicon.”, (*Daelemans, Sandra*), 1/10/2016-30/09/2020, [85,704 EURO].
- 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 “Optimalisation of Adaptability of Clinical Information Extraction Systems: Deep Learning and User-feedback Propagation Techniques.”, researcher: Charlotte Hansart. (Project stopped by researcher and company), 01/09/2017-31/08/2021 (*Daelemans, Lynxcare*) [50,000 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].
- Consultancy projects Lynxcare, “Text analytics for Information Extraction from Clinical Reports.”, 01/04/2017-30/10/2018, and 01/07/2017-30/06/2020, [136,425 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*), [930,949 EURO]. researcher: Tim Kreutz. **2018**
- FWO infrastructure project, “CATCH 2020: Computer-Assisted Transcription of Complex Handwriting.” (*Van Hulle, Kestemont, Daelemans*), 01/05/2018-30/04/2021, [400,000 EURO].
- FWO project, “Solving Problems from Combinatorics and Probability Theory in Natural Language.” 01/01/2018-31/12/2021, (*Daelemans, De Raedt*, and others), researchers: Pieter Fivez, Simon Šuster, [116,000 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.” 1/12/2019-30/11/2021, researcher: Jens Lemmens, [50,000 EURO].
- FWO International Research Infrastructure, “CLARIAH-VL: Open Humanities Service Infrastructure.” (*Van Hulle, Soens, Kestemont, Daelemans*), 01/02/2019-31/01/2021, [265,524 EURO]. **2020**
- BOF research project, “The effects of representative claims on citizens’ feeling of being (un)represented.” (*Walgrave, Daelemans*), 01/11/2020-31/10/2021, researcher: August De Mulder, [45,000 EURO]. **2021**
- Datawoods NV, “Tenderwolf: Matching public tenders and companies.”, 01/04/2021-31/03/2022, researcher: Jens Van Nooten, [37,440 EURO].

## Teaching Experience

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.

### Current Teaching: University of Antwerp

*Natural Language Processing*. 2007FLWDTA, (MA Digital Text Analysis), 2020–

*Machine Learning I*. 2004FLWDTA, (MA Digital Text Analysis), 2020–

*Machine Learning II*. 2006FLWDTA, (MA Digital Text Analysis), 2020–

*DTA Bootcamp*. 2010FLWDTA, (MA Digital Text Analysis), (with Kestemont), 2020–

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

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–).

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

Life Long Learning module Natural Language Processing and Machine Learning, 2020–

### Previous Teaching

#### University of Leuven

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

#### University of Nijmegen

*Computationele 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.

## **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.

*Corpustaalkunde* (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 Suster 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 post-graduate 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

## 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.

## Awards and Fellowships

For competitively awarded research grants, see section on project management.

Research Fellowship, directorate-general for international cultural co-operation, Flemish Government, at K.U.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.

## Professional Activities

### Supervised Ph.D.’s

1. Hans Pajmans, *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 Scheurweps, *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]

## 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 Zhizhkin, *Graph Transformations for Natural Language Processing.* (University of Amsterdam, member doctoral committee), 2006.
37. Francois 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*. (K.U. 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 Noklestad, *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. Oydis 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 *Crowdsource 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 from Text* (University of Leuven, committee member), October 3, 2019.
92. Jeroen De Gussem *Collaborative Authorship in Twelfth-Century Latin Literature. A Stylistic 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 Dzendzik *English Machine Reading Comprehension: New Approaches to Answering Multiple-choice Questions*. (Dublin City University, School of Computing, external examiner), September 13, 2021.

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.

## Organization

Editorial Boards:

- **Current**

- Action Editor *ARR (ACL Rolling Review)*, 2021–
- Member editorial board *Digital Scholarship in the Humanities*, OUP, 2015–
- Action Editor *Transactions of the Association for Computational Linguistics*, ACL, 2019–
- Co-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, from 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.

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 Durioux), 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 organisation 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, Corsendonk, 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.
- *CONLL2000, 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 (ComA-ComA 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*, 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.

## Scientific Advice

Current roles and offices:

- Board of STIL (Stichting Toepassing Inductieve leertechnieken), Tilburg, board member (1998-2008). Chairman 2009–
- Member informal CLIN (Computational Linguistics in the Netherlands) working group (from 1990) with Van Noord.
- Member International Advisory committee (2003-2007) and Steering Committee (2007–) of ACL Special Interest Group in Natural Language Learning (SIGNLL).
- Member of the ACL SIGDAT advisory board, 2013–
- Chair-elect of the EACL, 2015-2016; Chair of EACL 2017-2018; Member Nominating Committee of EACL 2019-2022.
- NCC (National Contact) for Belgium in the European Language Grid project, 2019–
- Member of the international scientific advisory board of The Wallenberg AI, Autonomous Systems and Software Program Humanities and Society (WASP-HS), 2021–
- Member Scientific Board EU project MUHAI: Meaning and Understanding in Human-Centric AI, 2020-2024.
- ACL nominating committee, 2021-2022.

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.
- 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, EC 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) 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 BNVKI-board (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.
- Spokesman of CLIF-2 (Computational Linguistics in Flanders), FWO sponsored research community on Computational Linguistics and Language and Speech Technology (2000-2004).
- 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 (from 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 contribution to *Roadmap for Language and Speech Technology Resources* (under the auspices of ELSNET, ENABLER and ELRA), 2004.  
<http://www.ilc.cnr.it/write/roadmap.htm>

- 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.
- External supervisor Ghent University College project HENDI (Readability tool English and Dutch discourse). 2009–2012.
- Advisory Board of iCOP (Identifying and Catching Originators in Peer-to-Peer Networks). 2011–2013.
- Member steering committee *NETWORKS*, European Science Foundation Research Networking Programme on cross-disciplinary approaches to understanding word structure in the languages of Europe, 2011–2015.
- Member of Biomina (Biomedical informatics research center Antwerp). 2011–2015.
- Member planning and steering committee *HLT Collaboration between South Africa and the Low Countries* (2008–2010). Member joint planning and monitoring committee (2011–2016).
- 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 of TransMedia Benelux. 2011–2019.
- 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 (opvolgcomité) BELSPO project “BE-SOCIAL: towards a sustainable social media archiving strategy for Belgium.”, 2020–2022.

#### Memberships:

- Current memberships professional organisations: Association Computational Linguistics (ACL) (from 1990); American Association for Artificial Intelligence (AAAI) (from 1998); SKEPP (from 2013).
- 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).

#### Curriculum and Research evaluation committees:

- Member curriculum evaluation committee ‘Computational Linguistics Curriculum’ Göteborg University, 1995.
- Member 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.

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` bv (Amsterdam, 2001); Textgain (Antwerpen, 2015). Also involved in the creation of FLUENT.AI Inc (Montreal, 2017).
- Advisory Board Seedlinktech (Amsterdam-Shanghai, 2017–).
- Advisory Board Textgain (Antwerp, 2015–).
- Nominated for VOKA AHA! valorisation award “achieved” 2019, shortlisted “achieved” 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;
- 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
- CogACLL: 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-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
- CLEF Conference and Labs of the Evaluation Forum: Rome, 2012; Valencia, 2013; Sheffield 2014
- 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
- 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 and Cognition yearbook: 1994
- 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 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;
- NEMLAP International Conference on New Methods in Language Processing: Ankara, 1996; Sydney 1998
- NLDB: Cottbus, 2003; Groningen 2012; Salford 2013
- 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
- PoTAL 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; Bagkok, 2021
- 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 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 and Book Proposal Reviewing

- Journals:

- *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)
- *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)
- *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)
- *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”*
- *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)
- *Himalayan Linguistics* (2017)
- *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 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)
- *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)
- *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)
- Publishers (book proposals):
  - *Butterworth-Heinemann Publishers* (1993)
  - *Kluwer Academic Publishers* (1997, 2004)
  - *Blackwell Publishers* (Journal review, 2000)
  - *Cambridge University Press* (2008; 2014; 2015; 2018)
  - *Mouton Publishers* (2011)
  - *Benjamins* (2020)
  - *UFS South Africa* (2021)

## Project (Proposal) Reviewing

- Member FWO review committee CULT1. 1/1/2016–31/12/2021, chairman in 2018.
- Belgium: NFWO (1993, 1994); IWOIB Brussels R&D project evaluation panel (2006, 2008, 2010); Scientific Advisor IWONL/IRISA, (Belgium) on Natural Language Processing projects, 1987–88. Member “HOBUCollege” (2001). PhD proposal evaluation panel humanities and social sciences (2009). 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.
- Netherlands: NWO: 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)
- 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 proposal (2002, 2005); review of ADAPT: Centre for Digital Content Platform Research (2019)
- 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)
- 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, Germany, 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)
- UK: Leverhulme Trust (2014)
- Organizations: NICI (1992); ProGamma (1993); Token2000 (2001); VUB GOA proposal (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)

## Popularization (from 2015, selection)

- 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*, articles about 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 (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 (2019, (most newspapers); popularization events (lecture) at Antwerp Book Fair.
- 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); vaccinchat.be (online newspapers) (2021).
- TEDxAntwerp invited talk on Natural Language Processing. Arenberg Theatre, November 27, 2021.
- AGORIA interview at .agoria on possibilities and limitations of conversational agents (AI Inspiration Sessions). January 2022.
- Kanaal Z interview fragment on the shortlisting for the AHA! innovation award.
- Contribution to “Show me the science”: commentary about Linguistics and communication with aliens after a showing of the movie “Arrival”. Lumière movie theatre, March 23, 2022.

## University Management

Current roles at University of Antwerp:

- Member ICT consultation committee (from 2010)
- Member Research Council University of Antwerp (from 2016), currently substitute.
- Member Faculty Council (from 2016), currently substitute.
- Member Faculty Evaluation Committee Design Sciences (2016-2022)
- Member Faculty research advisory board (from 2017)
- Member ICT governance committee University of Antwerp (from 2018)

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)

## Publications

1. Daelemans, Walter *Structuur en Functie*. (Structure and Function) Master's thesis, department of linguistics, K.U.Leuven, 1982.
2. Daelemans, Walter *De Evaluatie van Synesthetische Metaforen*. (The Evaluation of Synesthetic Metaphor), Thesis, department of Psychology, K.U.Leuven, 1983.
3. Daelemans, Walter, Dik Bakker, and 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. Pijls, Fieny, Walter Daelemans and 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. Daelemans, Walter '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. Anbeek, Gert and Walter Daelemans. 'Text processors with Linguistic Knowledge.' In: J.J.H. Miller (ed.) *PROTEXT IV*, 79-85, Dublin: Boole Press Limited, 1987.
7. Van Marcke, Kris, Viviane Jonckers and 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. Daelemans, Walter 'Taaltechnologie: Toepassingen en Problemen.' (Language Technology: Applications and Problems) Internal Note 87-4, AI-LAB, Brussels, 1987.
9. Daelemans, Walter *Studies in Language Technology: An Object-Oriented Computer Model of Morphophonological 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. Daelemans, Walter '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. Daelemans, Walter '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. Daelemans, Walter '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. Daelemans, Walter '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. Daelemans, Walter 'Automatische Morfologische Analyse.' (Automatic Morphological Parsing) *Informatie*, 31 (4), 261-270, 1989.
15. Daelemans, Walter 'Automatic Hyphenation: Linguistics versus Engineering.' In: Frans J. Heyvaert and Frieda Steurs (eds.), *Worlds behind Words*, Leuven: Leuven University Press, 347-364, 1989.
16. Daelemans, Walter 'TDTDT onderwijst spellen.' (TDTDT teaches spelling). In: Fieny Pijls and Jacobijn Sandberg (eds.) *De computer als expert en didacticus*. (The computer as expert and pedagogue), Muiderberg: Coutinho, 16-27, 1989.
17. Daelemans, Walter 'Object-oriented Hierarchical Lexicons.' *Informal proceedings IJCAI'89 Workshop on Object-oriented Programming in AI*, Detroit, USA, 1989.
18. Daelemans, Walter and Gerald Gazdar (eds.) *Inheritance in Natural Language Processing*. Tilburg: ITK, ITK Proceedings 90/1, 120 pages, ISBN: 90-74029-03-5, 1990.
19. Daelemans, Walter 'TDTDT en Spelraam.' In: Borgers, O., F. Daems, P. Reynders (eds.) *Computers en Onderwijs* 1990, Antwerpen: CBL-UIA, 119-124, 1990.
20. Daelemans, Walter 'Inheritance in Object-oriented Natural Language Processing.' In: Daelemans, Walter and Gerald Gazdar (eds.) *Inheritance in Natural Language Processing*, Tilburg: ITK, ITK Proceedings 90/1, 30-38, 1990.
21. Daelemans, Walter 'An Object-Oriented Linguistic Toolbox.' In: Don Ross and 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.
22. Daelemans, Walter and 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.

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23. Daelemans, Walter and 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.
24. Daelemans, Walter, Koenraad De Smedt, and Gerald Gazdar. 'Inheritance in Natural Language Processing.' *Computational Linguistics* 18 (2), 205-218, 1992.
25. Daelemans, Walter and Antal van den Bosch. 'A Neural Network for Hyphenation.' In: I. Aleksander and J. Taylor (eds.) *Artificial Neural Networks II: Proceedings of the International Conference on Artificial Neural Networks.*, Elsevier Science Publishers, 1647-1650, 1992.
26. Daelemans, Walter 'Biologische Metaforen in Natuurlijke Taal Verwerking.' (Biological Metaphors in Natural Language Processing), In: T. Venckeleeer en W. Verbeke (Red.) *Cultuurwetenschappen in Beweging 1980-1990*. Leuven: Vlaamse Vereniging Cultuurwetenschappen, (Distributie Kapellen: Uitgeverij Pelckmans), 117-137, 1992.
27. Powers, David and Walter Daelemans. 'SHOE: The Extraction of Hierarchical Structure for Machine Learning of Natural Language: Project Summary.' In: Daelemans, Walter and 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).
28. Van den Bosch, Antal and Walter Daelemans. Linguistic Pattern Matching Capabilities of Connectionist Networks. In: Jan van Eijck and Wilfried Meyer Viol (Eds.) *Computational Linguistics in the Netherlands. Papers from the Second CLIN-meeting 1991*. Utrecht: OTS, 40-53, 1992. (Also in: Daelemans, Walter and David Powers (Eds.) *Background and Experiments in Machine Learning of Natural Language*, 183-196, 1992).
29. Daelemans, Walter and Erik-Jan van der Linden. Evaluation of Lexical Representation Formalisms. In: Jan van Eijck and 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. Daelemans, Walter and Antal van den Bosch. 'Generalization Performance of Backpropagation Learning on a Syllabification Task.' In: M.F.J. Drossaers and A. Nijholt (eds.) *Connectionism and Natural Language Processing*. Proceedings Third Twente Workshop on Language Technology, 27-38, 1992.
31. Daelemans, Walter '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. Gillis, Steven, Gert Durieux, Walter Daelemans, and Antal van den Bosch. *Exploring Artificial Learning Algorithms: Learning to Stress Dutch Simplex Words*. Antwerp Papers in Linguistics (APIL) 71, 89 pages, 1992.
33. Daelemans, Walter and Antal van den Bosch. 'De voorleesmachine' *Samsom Informatica Nieuwsbrief*, 2 (9), 10-15, 1992.
34. Van den Bosch, Antal and 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 & Zweekhorst (eds.) *Computational Linguistics in the Netherlands. Papers from the third CLIN-meeting 1992*, Tilburg: ITK, 13-26, 1993).
35. Gillis, Steven, 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 & Zweekhorst (eds.) *Computational Linguistics in the Netherlands. Papers from the third CLIN-meeting 1992*, Tilburg: ITK, 39-48, 1993).
36. Daelemans, Walter and Antal van den Bosch. 'TABTALK: Reusability in Data-oriented grapheme-to-phoneme conversion.' *Proceedings of Eurospeech*, Berlin, 1459-1466, 1993.
37. Daelemans, Walter, Steven Gillis, and Gert Durieux, 'Machine Learning of Natural Language: An Empiricist Alternative to Nativist Theory.' In: *Proceedings of Benelearn 1993*, AI-LAB Brussels, 1993.
38. Daelemans, Walter, 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. Daelemans, Walter, Antal van den Bosch, Steven Gillis and 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. Daelemans, Walter, Steven Gillis, Antal van den Bosch, and 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. Daelemans, Walter, Steven Gillis and Gert Durieux. 'The Acquisition of Stress, a data-oriented approach.' *Computational Linguistics* 20 (3), 421-451, 1994.

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42. Daelemans, Walter Review of 'Inheritance, Defaults, and the Lexicon (Briscoe, de Paiva, Copestake eds.)', *Computational Linguistics* 20 (4), 661-664, 1994.
43. Daelemans, Walter and Koenraad De Smedt. 'Inheritance in an Object-Oriented Representation of Linguistic Categories.' *International Journal Human-Computer Studies*, 41, 149-177, 1994.
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408. Jens Lemmens, Benjamin Burtenshaw, Ehsan Lotfi, Iliia Markov, WalterDaelemans. ‘Sarcasm detection using an ensemble approach.’, 2nd Workshop on Figurative Language Processing, Stroudsburg, Association for Computational Linguistics, 264-269, 2020.
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412. Nikola Ljubecic, IliiaMarkov, Darja Fiser, 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 (Online), ACL, 153157, 2020.
413. 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.
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418. 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.
419. 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.
420. Jan Boon, Jan Wynen, Koen Verhoest, Walter Daelemans. ‘A reputational perspective on structural reforms: How media reputations are related to the structural reform likelihood of public agencies.’ ECPR General Conference, panel: ‘Organizational reputation, strategic communication and bureaucratic responsiveness’, 2021.
421. 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)Dsseldorf, Germany, 59-64, 2001.
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423. 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, 113, Nov 10th, Association for Computational Linguistics, 2021.
424. Maxime De Bruyn, Ehsan Lotfi, Jeska Buhmann, Walter Daelemans. ‘ConveRT for FAQ Answering’, BNAIC/BeneLearn, 312-319, 2021.
425. 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, November, 254-262, 2021.
426. Lisa Hilte, Walter Daelemans, Reinhild Vandekerckhove. ‘Communicating across educational boundaries: accommodation patterns in adolescents’ online interactions.’ Applied Linguistics Review, 29 pages, 2021.
427. Lisa Hilte, 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.
428. Lisa Hilte, 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.
429. 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.
430. 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.
431. 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.
432. 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.
433. 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.
434. 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.
435. Ilija Markov, Nikola Ljubesic, Darja Fiser, 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.
436. 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.
437. 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.
438. 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.
439. Jens Lemmens, Tess Dejaeghere, Tim Kreutz, Jens Van Nooten, Ilija Markov, Walter Daelemans. ‘Vaccin-praat: monitoring vaccine skepticism in Dutch Twitter and Facebook comments.’ Computational linguistics in the Netherlands journal, 173-188, 2021.

## Invited Lectures

1. University of Sussex, invited lecture on “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 on “A model of Dutch Morphophonology”, invitation Jo Calder, Centre for Cognitive Sciences, Edinburgh, UK, July 28, 1988.
3. University of Gent, invited lecture on “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 on “Object-oriented Linguistics”, invitation Prof. H. Bunt, Institute for Language Technology and Artificial Intelligence, Tilburg, The Netherlands, January 5, 1989.
5. Mechelen, Belgium, invited lecture on “Artificial Intelligence”, invitation Prof. Despontin, January 19, 1989.
6. Workshop Linguistic Analysis and Speech Technology, invited lecture on “GRAFON-D: An Object-oriented system for grapheme to phoneme conversion”, invitation Ton van der Wouden, Leiden, The Netherlands, 26-27 January, 1989.
7. University of Nijmegen, invited lecture on “Object-oriented Linguistics”, invitation Prof. G. Kempen, NICI, Nijmegen, The Netherlands, February 23, 1989.
8. International Center for Semiotic and Cognition Studies, keynote speaker advanced workshop on ‘Connectionism and Language’, lecture on “Soft Constraints and Hard Rules in the Lexicon”, invitation Prof. S. Cerri, San Marino, Italy, 11-13 October, 1989.
9. Vlaams Filologencongres, invited Lecture on “Biological Metaphors in Natural Language Processing”, invitation Prof. T. Venckeleer, Brussels, Belgium, October 27, 1990.
10. Tilburg University, invited lecture on “Inheritance in Natural Language Processing”, invitation Prof. H. van Riemsdijk, Tilburg, The Netherlands, October 31, 1990.
11. University of Leuven, computer science department, invited lecture on “Selectionism in natural language processing”, invitation Prof. Y. Willems, Leuven, Belgium, November 15, 1990.
12. University of Nancy, CRIN, invited talk on “Lexical research at ITK”, invitation Dr. Guy Deville, Nancy, France, January 8, 1991.
13. University of Nijmegen, Lezingendag werkgemeenschap Taal en Geheugen (Aspecten van AI onderzoek), invited lecture on “Taalkundige toepassingen van default inheritance”, (with Koenraad De Smedt), invitation Dr. Henk van Jaarsveld, Nijmegen, The Netherlands, January 23, 1991.
14. Workshop on Computational Phonology and Morphology (University of Bielefeld), invited lecture on “Connectionist and Selectionist Approaches to phonological acquisition”, invitation Prof. Dafydd Gibbon, Bielefeld, Germany, October 23, 1991.
15. Invited lecture LIKE Colloquium, “Evaluation of Lexical Representation Formalisms”, (with Erik-Jan van der Linden), invitation Dr. Hans Weigand, Tilburg, The Netherlands, January 23, 1992.
16. Natural Language Processing Seminars on “Issues in Computational Semantics” and “Structure and Organisation of Computational Lexicons”. University of Brussels, invitation Prof. Steels, Brussels, Belgium, February 17, 1992.
17. 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.
18. International Workshop of the EAMT on Machine Translation and the Lexicon, invited paper on “A generic architecture for data-oriented lexical acquisition.”, invitation Petra Steffens (IBM), Heidelberg, Germany, April 26-28, 1993.
19. Colloquium of the Centre for Computational Linguistics, invited paper on “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 paper on “A generic architecture for data-oriented lexical acquisition.” Invitation Andy Way, Dublin, Ireland, July 26-27, 1993.
21. Contactdag ‘Spraaaktechnologie’ Vlaanderen - Nederland, invited contribution “Automatische inductie van taalkennis t.b.v. spraaksynthese.” Invitation: Dr. R. Herman, Kasteel van Ham, Steenokkerzeel, November 19, 1993.
22. Elsnnet/Mlnet Workshop on Machine Learning of Natural Language and Speech, invited paper on “Case-Based Natural Language Learning.” Amsterdam, The Netherlands, December 2-3, 1994.
23. Seminar AI Group, University of Osnabrück, invited paper on “Case-Based Learning of Natural Language.” Invitation Dr. Bart Geurts, Germany, January 31, 1995.
24. Seminar Linguistics department, University of Göteborg, invited paper on “Case-Based Learning of Natural Language.” Invitation Dr. Joakim Nivre, Sweden, May 16, 1995.
25. Seminar department of Biophysics, University of Nijmegen, invited paper on “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 paper on “Memory-Based Language Processing.” Invitation Jakub Zavrel, June 6, 1995.
27. ESSLLI 95 Workshop on Formal and Computational Phonology, invited paper “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 paper “Memory-Based Lexical Acquisition”, invitation: M. Felisa Verdejo, Barcelona, August 25, 1995.
29. CLIF workshop on The Future of Language Technology in Flanders, invited paper on “Language Technology without Linguistics?”, Antwerp, November 30, 1995.
30. Colloquium of the Centre for Computational Linguistics, invited paper on “Automatic discovery of linguistic rules and categories.”, invitation Frank Van Eynde, Leuven, Belgium, January 12, 1996.
31. Psychology Colloquium, invited lecture on “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 lecture on “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 paper on “Abstraction Considered Harmful: Lazy Learning of Language Processing”. Invitation: van den Herik, Maastricht, The Netherlands, September 20, 1996.
34. CLS Opening Academic Year, invited lecture on “Experience-Driven Language Acquisition and Processing.” Invitation: CLS board, Tilburg, The Netherlands, October 11, 1996.
35. Seminar on Philosophical and Computational Approaches to Analogy, Tilburg University, invited paper on “Exemplar-Based Language Acquisition and Processing.” Invitation Jakub Zavrel, April 4, 1997.
36. Belgian Artificial Intelligence Day, invited paper on “Machine Learning of Natural Language Processing.” Invitation Luc De Raedt, Leuven, April 28, 1997.
37. Linguistics Seminar, invited presentation on “Memory-Based Language Engineering.”, invitation Vera Kamp-huis, Nijmegen, May 7, 1997.
38. International Cognitive Linguistics Conference, invited theme session paper on “Exemplar-based Language Acquisition and Processing.” (Invitation: David Powers), July 18, 1997.
39. NeMLap-3 invited lecture “Abstraction is harmful in language learning.”, Sydney, Australia, January 15, 1998. (Invitation Powers and Somers).
40. ECML workshop Towards adaptive NLP-driven systems (TANLPS), invited lecture, “Memory-Based Language Engineering.” Chemnitz, April 24, 1998. (invitation, R. Basili).
41. SIKS Theme Day Natural Language and Intelligent Knowledge Systems, invited lecture on “Lazy Language Learning”, (invitation, H. Weigand), Tilburg, May 13, 1998.
42. Second Workshop in Computationally-intensive Methods in Quantitative Linguistics, invited presentation on “Linguistics as Data Mining: Using Machine Learning Techniques to Discover Linguistic Generalizations”, Glasgow, Scotland, September 7-9, 1998, invitation: Fiona Tweedie.
43. Radarworkshop Language and Speech Technology, invited presentation on “Language Technology in Flanders.”, Rotterdam, The Netherlands, February 3, 1999.
44. Seminarie voor onderwijskundige professionalisering, invited presentation on “Internet for Linguistics and Literary Science.”, Antwerpen, May 5, 1999.
45. XV Congreso de la Sociedad Española para el Procesamiento del Lenguaje Natural (SEPLN), invited keynote speaker on “Shallow Parsing with Examples.”, LLeida. September 7-9, 1999.
46. Artificial Intelligence and Beyond 2, invited lecture on “Empirical Natural Language Processing.” Ieper, December 15, 1999. Invitation: Lea Vermeire.
47. VUB Brussels, invited lecture on “Empirical Natural Language Processing.” Brussels, Belgium, January 12, 2000. Invitation: Bernard Manderick.
48. Erasmushogeschool, invited lecture on “Zelflerende Taaltechnologie” Brussel, Belgium, February 15, 2000. Invitation: Lucia Luyten.
49. Analogical Modeling of Language Conference, invited lecture on “Comparison of AML to memory-based language processing.” Provo, Utah, USA, March 23, 2000. Invitation: Royal Skousen.
50. UIA Studium Generale, Wetenschap en Samenleving, invited lecture “Mogelijkheden en grenzen van de taal-technologie. De computer begrijpt (nog) niet zo veel.”, Antwerpen, Belgium, 6 November, 2000. Invitation: prof. dr. Verbeure.
51. ICCS Colloquium, invited lecture on “A memory-based single route model for German plurals.” University of Edinburgh, 7 december, 2000. Invitation: Johanna Moore.

52. ICCS Colloquium, invited lecture on “Memory-based shallow parsing.” University of Edinburgh, 8 december, 2000. Invitation: Johanna Moore.
53. Advanced course on Full-Text Information Retrieval Methods. Invited contribution on “k-NN classification.”, Nijmegen, The Netherlands, March 5-6, 2001. Invitation: Kees Koster.
54. Trends in Special Language and Language Technology, invited panel coordination Mastering Tools and Technology, Brussels, Flemish Parliament, 29-30 March, 2001. Invitation: Rita Temmerman.
55. Computerlinguistisches Kolloquium, Invited lecture on “Memory-Based Language Processing: Perspectives from Language Technology and Computational Psycholinguistics.”, Saarbruecken, Germany, June 7, 2001. Invitation: Matthew Crocker.
56. Workshop on Morphological Processing, invited paper on “A memory-based single-route model for German and Dutch plurals.” Nijmegen, MPI, The Netherlands, June 11-14, 2001. Invitation: Harald Baayen.
57. SENSEVAL 2 Workshop, invited contribution to panel on ‘What kind of sense distinctions are hardest for systems to make.’, Toulouse, France, July 5-6, 2001. Invitation: Martha Palmer.
58. Euroconference Recent Advances in Natural Language Processing (RANLP), invited lecture on “Memory-Based Language Processing.”, Tsigov Chark, 5-7 September, 2001. Invitation: Ruslan Mitkov.
59. Colloquium Academisch Genootschap Sint-Albertus, invited paper on “Language Technology: Achievements and Limitations”. Genk, December 21, 2001. Invitation: Dr. P. Michels.
60. Natural Language and Computational Linguistics seminar, invited seminar on “Limitations of Current Methodology in Machine Learning of Natural Language”. Brighton, University of Sussex, January 17th, 2002. Invitation: John Carroll.
61. Seminarie Informatica, invited lecture on “Kennnis uit Tekst: inleiding tot de text mining.”, Antwerp, Aula University of Antwerp, March 20, 2002. Invitation: Brigitte Verdonk.
62. ESSLLI’2002 Workshop on Machine Learning approaches in Computational Linguistics, invited speaker “Machine Learning of Language, a model and a problem.”, Trento, Italy, August 5, 2002. Invitation: Erhard Hinrichs.
63. DAWAK 2002 (Data Warehousing and Knowledge Discovery), invited talk on “Text Mining Applications of a Shallow Parser.”, Aix-en-Provence, France, September 4, 2002. Invitation: Werner Winiwarter.
64. XVIII Congreso de la SEPLN, invited speaker, “Limitations of comparative machine learning methodology for language technology.”, Valladolid, September 11, 2002. Invitation: Valentin Cardenoso Payo.
65. Workshop on Quantitative Investigations in Theoretical Linguistics, invited talk, “Machine Learning for Linguistics.”, Osnabrück, Germany, October 5, 2002. Invitation: Anke Lüdeling.
66. Symposium on recent trends in data mining, invited talk “Instance-Based Learning for Text Mining.” Leuven, Belgium, October 11, 2002. Invitation: Hendrik Blockeel.
67. 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.”, Bergen, Norway, October 24-25, 2002. Invitation: Koenraad De Smedt.
68. National University of Singapore, invited talk “Pitfalls in comparative machine learning methodology for natural language processing ”, NUS, Singapore, February 11, 2003. Invitation: Hwee Tou Ng.
69. I2R Institute for Information and Communication Research, invited talk “Memory-Based Shallow Parsing”, Singapore, February 13, 2003. Invitation: dr. Jian Su.
70. DSO National Laboratories. invited talk “Text Mining at CNTS”, Singapore, February 14, 2003. Invitation: dr. Khee Yin How.
71. Meaning workshop, invited talk “Optimization in Machine Learning of Word Sense Disambiguation”, San Sebastian, Spain, April 11, 2003. Invitation: Eneko Agirre.
72. CGN workshop, invited panel contribution “Desiderata corpora language technology.” Nijmegen, May 16, 2003. Invitation: Harald Baayen.
73. Formal Grammar Vienna, invited talk “Exemplar-Based Language Models”, Vienna, August 17, 2003. Invitation: Paula Monachesi.
74. International Colloquium on Multilingualism and Electronic Information management, invited paper “Annotated Corpora for Fast Shallow Parsing for Text Mining.”, Bloemfontein, South-Africa, September 23, 2003. Invitation: Theo du Plessis.
75. Workshop on partnership: SA-Dutch Language Union on Development of Human Language Technologies. Possibilities and Challenges, invited paper “A report on basic resources for Dutch Language and Speech Technology.”, Bloemfontein, South-Africa, September 23, 2003. Invitation: Theo du Plessis.
76. Vlaams Parlement, interparlementaire commissie Nederlandse Taalunie, invited contribution on “Taal- en spraaktechnologie in Nederland en Vlaanderen in 2003”, Brussel, November 3, 2003. Invitation: Koen Jaspert.

77. Workshop on Grammars and Learning. Invited paper “Example-Based Language Learning: Generalization does not equal abstraction.”, Utrecht, Netherlands, November 14, 2003. Invitation: Michael Moortgat.
78. Invited tutorial presentation on “Memory-based Language Processing.” PASCAL workshop on Learning Methods for Text Understanding and Mining, Grenoble, France, January 26-29, 2004. Invitation: Nicola Cancedda.
79. Invited talk on “Shallow Understanding for Text Mining” Colloquium on multimodal information extraction, Nijmegen, The Netherlands, May 12, 2004. Invitation: Folkert De Vriend.
80. Invited talk on “Optimization in Machine Learning of Word Sense Disambiguation.” Language and Inference Technology group (LIT) research seminar, Amsterdam, The Netherlands, May 14, 2004. Invitation: Maarten de Rijke.
81. Invited speaker, EsTAL - ESPANA for NATURAL LANGUAGE PROCESSING conference, paper on “Reusable Text Analysis for Applications.”, Alicante, Spain, October 20-22, 2004. Invitation: Manuel Palomar.
82. STEVIN-meeting Language and Speech Technology and the ICT market. Invited workshop contribution “What do companies want from the knowledge infrastructure.”, Antwerpen, provinciehuis, March 2, 2005.
83. Department of Psychology, University of Ghent, invited talk on “Computational Models of Inflectional Morphology.” Gent, March 8, 2005. Invitation: Tom Verguts.
84. Congres Media Accessibility, invited presentation on “Automatic text compression for subtitling.” Barcelona (Universidad Autonoma), June 8, 2005. Invitation: Aline Remael.
85. LingForum Ghent. Invited talk on “Trends in Computational Linguistics.” Ghent, November 8, 2005. Invitation: Evie Coussé.
86. Experimental Methods in Language Acquisition Research (EMLAR-II), invited tutorial on “Simulation”, Utrecht, November 17, 2005. Invitation: Esther Ruigendijk.
87. Conference on Natural Language Learning (CoNLL X). Keynote paper on “A Mission for Computational Natural Language Learning.” New York, USA, June 8, 2006. Invitation: Lluís Marquez.
88. Data Mining Day, invited contribution on “Text Mining”, Antwerp, Belgium, June 15, 2006. Invitation: Bart Goethals.
89. Tecnologies de la Llengua: Tècniques d'aprenentatge automàtic, invited seminar on “Comparison of Machine Learning Techniques.” Centre Ernest Lluch, Barcelona, July 6, 2006. Invitation: Marsal Gavaldà.
90. Panel discussion on “History, current status, and future of AI.” BNAIC Conference, Namur, Belgium, October 5, 2006. Invitation: Edwin de Jong.
91. Symposium *50 Years AI*. Invited talk on “Natural Language Processing”. Academiegebouw, Brussels, Belgium. November 23, 2006. Invitation: Luc Steels.
92. StatUA seminar. Invited talk on “The statistical revolution in natural language processing: eager and lazy language learning from text data.” Antwerp, Belgium, March 22, 2007. Invitation: Peter Goos.
93. NODALIDA 2007, the 16th Nordic Conference of Computational Linguistics, invited talk on “Text Analysis and Machine Learning for Stylometrics and Stylogenetics.” Tartu, Estonia, May 26, 2007. Invitation: Joakim Nivre.
94. Workshop on Machine Learning and Cognitive Science of Language Acquisition, invited lecture on “Memory-based models of inflectional morphology acquisition and processing.” London, UK, June 22, 2007. Invitation: Alex Clark.
95. LSSA/SAALA/SAALT joint conference, invited lecture on “Memory-based shallow parsing for fast development of linguistic tools and modules.” Potchefstroom, South-Africa, July 4, 2007. Invitation: Bertus van Rooy.
96. LSSA/SAALA/SAALT joint conference, workshop on Rekenaarlinguïstiek. Invited talk on “Recent approaches to MT evaluation.” Potchefstroom, South-Africa, July 5, 2007. Invitation: Gerhard van Huyssteen.
97. ESF Exploratory Workshop on Models of Language Evolution, Acquisition and Processing. Invited paper on “Memory-Based Learning”, Leuven, Belgium, November 27, 2007. Invitation: Lou Boves.
98. Dublin Computational Linguistics Research Seminar Series, invited talk on “Text Analysis and Machine Learning for Personality and Author Detection from Text.” Dublin, Ireland, March 7, 2008. Invitation: Josef Van Genabith.
99. Information Retrieval Seminar ‘What’s on in Computing Science?’, invited talk on “Author Personality and Identity Detection with Limited Data from Many Authors”, Glasgow, Scotland, June 23, 2008. Invitation: Leif Azzopardi.
100. Workshop on HLT Collaboration between South Africa and the Low Countries, invited presentation on “Research on Human Language Technologies in Flanders.” Monkey Valley, South-Africa, 24-25 November, 2008. Invitation: Dutch Language Union.
101. Wetenschappelijk Interdisciplinair Seminarie (WIS), invited lecture on “Progress in Natural Language Understanding’.” Antwerpen, May 20, 2009. Invitation: Kim Volders.

102. Lentecyclus of the Centrum voor Europese Cultuur van de Koninklijke Vlaamse Academie van België voor Wetenschappen en Kunst, invited lecture on “Automatisch vertalen tussen taalkunde en statistiek” (Machine Translation between linguistics and statistics.), Brussels, May 27, 2009. Invitation: Sophie Dejaegher.
103. International Summer School on Embodied Language Games and Construction Grammar, invited lecture on “Memory-Based Language Processing”, invited tutorial on “Parsing Technologies.” Cortona, Italy, August 29 - September 4, 2009. Invitation: Vanessa Micelli.
104. RANLP 2009 invited keynote lecture on “Robust Features for Computational Stylometry.” Borovec, Bulgaria, September 16, 2009. Invitation: Ruslan Mitkov.
105. Technical University Eindhoven, invited lecture on “Machine learning for Computational Stylometry”, Eindhoven, The Netherlands, September 22, 2009. Invitation: Christian Guenther.
106. ESF SCH Exploratory Workshop: Words In Action: Interdisciplinary Approaches To Understanding Word Processing And Storage, invited contribution on “Memory-Based Morphological Processing.” Pisa, Italy, October 11-14, 2009. Invitation: Vito Pirrelli.
107. University of Groningen, invited lecture on “Computational Stylometry: Linguistic Features for Authorship Attribution”, Groningen, November 13, 2009. Invitation: Myrte Gosen.
108. Computer Science VIII: Artificial Intelligence Unit, TU Dortmund. Invited talk about “Machine Learning for Text Mining.”, Dortmund, Germany, January 21st, 2010. Invitation: Katharina Morik.
109. National Centre for Text Mining (NACTEM), invited lecture on “Text Mining in the Biograph project.” Wednesday 17th March, 2010. Invitation: Sophia Ananiadou.
110. USC/ISI NL Seminar on “Robust features for Computational Stylometry.” Los Angeles, USA, April 30, 2010. Invitation: Ed Hovy.
111. ACL DANLP workshop, invited panel contribution on domain adaptation. Uppsala, Sweden, July 15, 2010. Invitation: Jörg Tiedemann.
112. ActUA, XIIth Spectrum series, invited lecture on “Computertaalkunde: rekenen met taal.” Antwerp, Belgium, November 25, 2010. Invitation: Ludwig Callaerts.
113. Workshop on ‘Mechanisms of early language acquisition: computational modeling and human data’, invited talk on “Implicit schemata and categories in memory-based language acquisition and processing’.” Utrecht, The Netherlands, February 24, 2011. Invitation: Frans Adriaans.
114. CIMEC Research Seminars invited talk on “Computational Stylometry.” April 21, 2011. Invitation: Massimo Poesio.
115. Biomina kick-off symposium, invited talk on “Advances in biomedical text mining.” University Hospital Antwerp, June 29, 2011. Invitation: Tim Van den Bulcke.
116. CLEF workshop on Question Answering for Machine Reading Evaluation, invited keynote talk on “Text Mining in Biograph.” Amsterdam, September 20, 2011. Invitation: Anselmo Peñas.
117. Taal in Bedrijf, invited talk “CSI Facebook: profiling met computerstylometrie in sociale media.” Rotterdam, November 29, 2011. Invitation: Jan Odijk.
118. Lectures on Language Technology and Cognition. Invited talk on “Computational Stylometry.” Uppsala, Sweden, March 9, 2012. Invitation: Joakim Nivre.
119. Forensic Intelligence. Intelligent Data-Analysis for Safety & Security. Invited talk on “Automatische profilering van gebruikers en gesprekken in sociale media.” Den Haag, NFI, 14 juni, 2012. Invitation: Cor Veenman.
120. Text, Speech and Dialogue Conference. Invited talk on “Computational Stylometry.” Brno, Czech Republic, September 7, 2012. Invitation: Ales Horak.
121. CENTAL seminar. Invited talk on “Author Profiling: extracting psychological and sociological properties of authors from text.” UCL, Louvain-La-Neuve, November 30, 2012. Invitation Noémi Boubel.
122. MTT Research Seminar. Invited talk on “Applications of text analytics in social media.” Antwerpen, March 15, 2013. Invitation: David Martens
123. 14th International Conference on Intelligent Text Processing and Computational Linguistics, CICLing-2013. Invited talk on “Explanation in Computational Stylometry.” Samos, Greece, March 26, 2013. Invitation: Aleksander Gelbukh.
124. CSIR Lectures. Invited talk on “Everybody Lies: finding clues about personality and deception in text.” CSIR, Pretoria, South-Africa, April 18, 2013. Invitation: Febe de Wet.
125. CTEXT Colloquia. Invited talk on “Everybody Lies: finding clues about personality and deception in text.” CTEXT, Potchefstroom, South-Africa, April 19, 2013. Invitation: Gerhard Van Huyssteen.
126. TLA lectures on e-humanities in Action. Invited talk on “Detecting author personality from text.” MPI, Nijmegen, The Netherlands, May 15, 2013. Invitation: Sebastian Drude.
127. CAPRI Research Club. Invited talk on “Text analytics for detection of Alzheimer and Schizophrenia: outlook and problems.”, Antwerp, May 21, 2013. Invitation: Livia De Picker.

128. Computational Linguistics Colloquium Saarbrücken. Invited talk on “Machine Learning of Personality Assignment and Deception Detection” Saarbrücken, July 25, 2013. Invitation: Dietrich Klakow.
129. Digital Humanities Summer School. Invited talk on “Stylene: an environment for stylometry and readability research.” (with Hoste), Leuven, September 20, 2013. Invitation: Frank Van Eynde.
130. TEDx Flanders Salon. Invited talk on “Computertaalkunde.” Atlas Antwerp, November 14, 2013. Invitation: Rachid Atia.
131. ProSecco Network First Annual Contact Forum, invited talk on “Computational Stylometry.” El Escorial, Spain, 21-23 February 2014. Invitation: Tony Veale.
132. Symposium on The Road Toward Human-Level Artificial Intelligence, invited paper on “The way back from Text Mining to Text Understanding.” Tilburg, April 22, 2014. Invitation: Harry Bunt.
133. University of Antwerp information session on bequeathing. Invited presentation on “software for detecting cyberpedophilia in social networks”. University of Antwerp, April 28th, 2014. Invitation: Tinne Marynissen, University Fund.
134. CRISSP Seminar series. Invited talk on “Three levels of knowledge extraction from text.” KU Leuven Brussels, May 19, 2014. Invitation: Tanja Temmerman.
135. 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.” Reykjavik, Iceland, May 26, 2014. Invitation: Paul Buitelaar.
136. J&J Security Awareness Week, invited talk on “The AMiCA project: online safety for children in social networks.” Beerse, Belgium, June 16, 2014. Invitation: Guy Calomme.
137. Technical University Darmstadt, LKE/KDSL, invited talk on “The AMiCA project: computational stylometry for online safety of children in social networks.” Darmstadt, Germany, July 28th, 2014. Invitation: Iryna Gurevych.
138. Sixth International Conference on Human Language Technologies, keynote on “Machine Learning Approaches to Computational Stylometry.” Kaunas, Lithuania, September 26th, 2014. Invitation: Jurgita Kapoite-Dzikien.
139. University of Copenhagen, Centre for Communication and Computing, invited talk on “Author Profiling for Cybersecurity: The AMiCA Project.” Copenhagen, Denmark, June 25th, 2015. Invitation: Barbara Plank.
140. 14th International Pragmatics Conference, plenary lecture on “Profiling social media text: The AMiCA project.” Antwerp, Belgium, July 31, 2015. Invitation: Jef Verschueren.
141. 13th Evaluation Lab on Uncovering Plagiarism, Authorship, and Social Software Misuse, keynote on “Profiling in Practice.” Toulouse, France, September 9, 2015. Invitation: Martin Potthast.
142. Dagstuhl workshop on Debating Technologies, invited participation and talk on “Profiling and Argumentation.”, Schloss Dagstuhl, Germany, December 13–18, 2015. Invitation: organizers.
143. ELRC BELGIUM Workshop, invited talk on “Languages and language technologies in Belgium.”, Ghent, Belgium, April 13, 2016. Invitation: Véronique Hoste.
144. Summer School on Human Language: From Genes and Brains to Behavior (Language in Interaction Project), invited contribution on “The robot stylometrist.”, Berg en Dal, The Netherlands, July 14, 2016. Invitation: Peter Hagoort.
145. 7th Workshop on Cognitive Aspects of Computational Language Learning (CogACLL), invited panelist panel on “Cognitive Computational Modeling: NLP innovations and trends for the future.”, Berlin, Germany, August 11, 2016. Invitation: Aline Villavicencio.
146. International FRUCT conference on Intelligence, Social Media and Web (ISMW FRUCT), invited tutorial on “Language Technology for Cybersecurity.” and invited keynote talk on “Detecting age, gender, and personality of social media authors.”, Saint Petersburg, Russia, September 1-3, 2016. Invitation: Paolo Rosso.
147. 4th International Conference on Statistical Language and Speech Processing (SLSP 2016), invited lecture on “Advances in Statistical Approaches to Personality Prediction from Text.”, Pilsen, Czech Republic, October 11-13, 2016. Invitation: Carlos Martín-Vide
148. EVALITA 2016 (Evaluation of NLP and speech tools for Italian), invited talk on “Profiling the Personality of Social Media Users.”, Napoli, Italy, December 7, 2016. Invitation: Malvina Nissim.
149. Volkssterrenwacht Urania, invited presentation on “Een nieuwe lente voor de Artificiële Intelligentie?” Hove, Belgium, February 2, 2017. Invitation: Jef De Wit.
150. CCL 25, invited presentation on “Computational Linguistics in Flanders (CLIF): 1995-2010”, Leuven, Belgium, February 9, 2017. Invitation: Frank Van Eynde.
151. B-Debate on AI: Dreams, Reality, and Risks, invited lecture on “Advances in Natural Language Processing and how they can bring truth, security, and order in cyberspace.” Barcelona, Spain, March 7-8, 2017. Invitation: Luc Steels.



152. SIKS Symposium Ripples of Real-world Events on Social Media, invited talk on “Text analysis for social media moderation.” Nijmegen, The Netherlands, March 21, 2017. Invitation: Florian Kunneman.
153. Workshop on Stylistic Variation, invited talk on “Problems in Personality Profiling.” Copenhagen, Denmark, September 8, 2017. Invitation: Julian Brooke.
154. KVAB Artificiële intelligentie - studiedag & debat, invited talk on “Automatische verwerking van natuurlijke taal” Brussels, Academy building, September 19, 2017. Invitation: Luc Steels.
155. Uppsala Lectures on Language Technology. Invited talk on “Personality Profiling Methodology.” January 19, 2018. Invitation: Joakim Nivre.
156. MACHine learninG in information NETworks (MAGNET), invited seminar on “Profiling authors from social media texts.” Lille, February 8, 2018. Invitation: Pascal Denis.
157. Workshop on Artificial Intelligence. Real change? invited talk on “Artificial Intelligence and Natural Language Processing.” Leuven, March 15, 2018. Invitation: Ivo Van Horebeek.
158. OPEN Forum Technology for Access. Invited talk on “Artificial Intelligence and Natural Language” Antwerpen, February 8, 2019. Invitation: Nina Reviere.
159. KDG-hogeschoolcongres, themamiddag Artificial Intelligence. Invited talk on “Artificial Intelligence and Natural Language.” Antwerp, March 19, 2019. Invitation: Patrick Hebb.
160. NUT-jubileumconferentie Macht en pracht van taal, invited talk on “De auteur achter de tekst: automatische profilering in sociale media.” Antwerpen, April 5, 2019. Invitation: Anouk van Eerden.
161. CLS colloquium, invited talk on “Computational Linguistics Research at CLiPS.” Nijmegen, May 8, 2019. Invitation: Henk van den Heuvel.
162. Artificial Intelligence Platform (PFIA) conference, invited keynote on “Profiling authors from text: A critical look at the state of the art.” Toulouse, July 3, 2019. Invitation: Yves Demazeau.
163. EBU Access Services event, invited talk on “Recent Developments in AI for Language Processing.” Dublin, October 18, 2019. Invitation: Erik De Snerck.
164. De Scriptorij Conference on the impact of artificial intelligence on copy and communication. Invited talk on “De Schrijvende Computer” (The writing computer), Ghent, November 21, 2019. Invitation: Bavo Van Landeghem. [popularization talk].
165. Center for Advanced Studies in Information and Communication Technologies, Jaen, Spain. Invited talk on “Biomedical and Clinical Natural Language Processing at CLiPS.” Jaen, Spain, November 13, 2019. Invitation: Alfonso Urena Lopez.
166. StatUa day, invited talk on “Author profiling on social media text Embedded cross-validation.” February 7, 2020. Invitation: Erik Franssen.
167. AI workshop Nederlandse Rijksoverheid en Vlaams Departement EWI, panel over NLP voor het Nederlands, online, October 5, 2020. Invitation: Seger Bauwens.
168. International Scientific Interdisciplinary Conference on Research and Methodology ”Functional Aspects of Intercultural Communication. Translation and Interpreting Issues”, invited keynote speaker on “Computational Stylometry in the age of Deep Learning: profiling authors of social media text ”, Moskou, November 20, 2020 (online). Invitation: Natalia Erokhova.
169. META-FORUM 2020, invited presentation on “NLP Developments in Flanders / Belgium”, online, December 2, 2020. Invitation: Georg Rehm.
170. Orde van den Prince, invited talk on “Deep Neural Networks.”, Antwerp, January 8, online. Invitation: Ronald Van Brempt. [popularization talk].
171. EWI (Flemish ministry economics, science and innovation), Inspiration Session Artificial Intelligence, invited presentation on “Natural Language Processing”, online, June 10, 2021. Invitation: Veerle Lories.
172. KNAW webinar on fake news, invited talk on “Language Technology against Fake News”, June 28, 2021. Invitation: John Nerbonne.
173. VAIA course on AI and Machine Learning in Biomedical Research , invited presentation on “Biomedical and Clinical Natural Language Processing”, November 4, 2021, online. Invitation: Jeroen Wynen.
174. TEDx Antwerp, talk on “AI for NLP.” Antwerp, Arenberg, November 27, 2021. Invitation: UAntwerp PR department. [popularization talk].

## 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.

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2. Academic Meeting University of Brussels, invited speaker on ‘Artificiële Intelligentie en Natuurlijke Taal’ (Artificial Intelligence and Natural Language), invitation Prof. Loccufier, Brussels, Belgium, February 14, 1987.
3. Third ACL conference (European Chapter), ‘A Tool for the automatic creation, extension and updating of lexical knowledge bases’, accepted paper, Copenhagen, Denmark, 1-3 April, 1987.
4. Second International Conference and Exhibition on Children in the Information Age, ‘Artificial Intelligence Tools for Grammar and Spelling Instruction’ (with Fiery Pijls and Gerard Kempen), accepted paper, Sofia, Bulgaria, 19-23 May, 1987.
5. Fourth Esprit Conference 1987, ‘Representation Aspects of Knowledge-based Office Systems’ (with Kris van Marcke and Viviane Jonckers), accepted paper, Brussels, Belgium, 28-30 September, 1987.
6. Fourth International Conference on Text Processing (PROTEXT IV) 1987, ‘Text Processors with Linguistic Knowledge’ (with Gert Anbeek), accepted paper, Boston, U.S.A., 20-22 October, 1987. **1988**
7. NAIC-88 (First Dutch A.I. Conference) 1988, ‘Toepassingen van een objectgericht computermodel van de Nederlands morf fonologie’, accepted paper, Amsterdam, The Netherlands, 12-13 April, 1988.
8. ORD’88 (Educational Research Conference), ‘Een intelligent tutoring systeem voor Nederlandse werkwoord-spelling’ (An intelligent tutoring system for Dutch verb spelling), accepted paper, Leuven, Belgium, 30-31 May, 1988.
9. Twelfth International Conference on Computational Linguistics (COLING’88), ‘GRAFON: A Grapheme-to-phoneme conversion system for Dutch’, accepted paper, Budapest, Hungary, 22-27 August, 1988.
10. Third International Symposium on Knowledge Engineering, ‘Learning Heuristic Diagnostic Rules in an Intelligent Tutoring System’, accepted paper, Madrid, Spain, October 19-21, 1988. **1989**
11. IJCAI-89 Workshop on Object-Oriented Programming in AI, ‘Object-oriented Hierarchical Lexicons’, accepted paper, Detroit, USA, August 22, 1989.
12. Morfologiedagen 1989, lecture on ‘Selectieve overerving in morfologische representatie’ (Selective inheritance in morphological representation), Leuven, Belgium, 21-22 September, 1989. **1990**
13. International Workshop on Inheritance in Natural Language Processing, ‘Inheritance in Object-oriented Natural Language Processing’, accepted paper, Tilburg, The Netherlands, August 16-18, 1990.
14. CBL Symposium ‘Computer en Onderwijs’, invited paper on ‘TDTDT and Spelraam’, invitation Prof. P. Reynders, Antwerp, Belgium, October 13, 1990.
15. 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**
16. International joint conference of the Association for Computers and the Humanities and the Association for Literary and Linguistic Computing (ACH/ALLC 91), ‘An Object-oriented Linguistic Toolbox’, accepted paper, Tempe, Arizona, March 17-21, 1991.
17. CLIN 1991, Computational Linguistics in the Netherlands. ‘Linguistic Pattern Matching Capabilities of Connectionist Networks’, (with Antal van den Bosch), accepted paper, Amsterdam, The Netherlands, CWI, November 29, 1991.
18. CLIN 1991, Computational Linguistics in the Netherlands. ‘Evaluation of Lexical Representation Formalisms’, with Erik-Jan van der Linden, accepted paper, Amsterdam, The Netherlands, CWI, November 29, 1991. **1992**
19. First SHOE Workshop on Machine Learning of Natural Language, Tilburg University, ‘Genetic Search and Assimilation’, Tilburg, The Netherlands, February 28, 1992.
20. Workshop on Connectionism and Natural Language (TWLT 3), invited paper on ‘Generalization Performance of Backpropagation Learning on a Syllabification Task’ (with Antal van den Bosch), invitation Prof. Anton Nijholt, Enschede, The Netherlands, May 13, 1992.
21. COGSYS 10 (10th Workshop of the ESSCS), paper on ‘Genetic Optimization in memory-based generalization. Application to a Linguistic Pattern Matching Problem’, accepted paper, Groningen, The Netherlands, May 20, 1992.
22. 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.
23. 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.
24. IPrA Research Forum, ‘Exploring artificial learning algorithms’ (with van den Bosch, Durieux and Gillis), invitation Prof. J. Verschuere, Antwerp, Belgium, November 6, 1992.
25. Computational Phonology Workshop, accepted paper on ‘Exploring artificial learning algorithms’ (with van den Bosch, Durieux and Gillis), Edinburgh, UK, December, 18, 1992.

**1993**

26. 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.
27. 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.
28. EACL 1993, accepted paper on ‘Data-oriented methods for grapheme-to-phoneme conversion.’ (with van den Bosch), Utrecht, The Netherlands, April 21-23, 1993.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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.
34. 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.

**1994**

35. Eurospeech 1993, accepted paper on ‘TABTALK: Reusability in data-oriented Grapheme-to-Phoneme Conversion.’ (with A. van den Bosch), Berlin, Germany, September 21-23, 1993.
36. Sixth NET symposium, ‘Do we really need parameters? The case of stress acquisition.’ (with Gillis and Durieux), Nijmegen, Max Planck Institute, February, 11, 1994.
37. Workshop Cognitive Models of Language Acquisition, invited contribution on ‘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.
38. Belgian-Dutch conference on Machine Learning BENELEARN 1994, accepted paper on ‘Skousen’s Analogical Modeling Algorithm’, (with Gillis, Durieux), Rotterdam, June 10, 1994.
39. 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.
40. 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.
41. 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.
42. 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.
43. 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.

**1995**

44. Computational Linguistics in the Netherlands (CLIN’94), accepted paper on ‘Linguistics as Data Mining.’ Enschede, The Netherlands, November 23, 1994.
45. First International Workshop on the Acquisition of Pre- and Protomorphology, University of Vienna, accepted papers on ‘Lazy Learning: Does Rule-like Behavior Require Rules?’ (with Gillis and Durieux) and ‘The acquisition of Dutch diminutives: Do learnability results predict the order of acquisition?’ (with Gillis and Berck), Vienna, Austria, February 24-28, 1995.
46. GALA (Groningen Assembly on Language Acquisition), accepted paper ‘Testing a computer simulation of a parametric model’ (with Gillis and Durieux), Groningen, September 8, 1995.
47. 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.

**1996**

48. 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.
49. Inductive Logic Programming project ILP-2 End-User Meeting, talk on ‘Machine Learning of Natural Language.’, Bonn, Germany, March 27, 1996.

50. VIIth International Congress for the Study of Child Language, accepted paper, 'On phonological bootstrapping' (with Gillis and Durieux), Istanbul, Turkey, July 16, 1996.
51. 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.
52. 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.
53. 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.
54. 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.
55. Seventh CLIN workshop, accepted paper on 'Memory-Based Prepositional Phrase Attachment.' (with Zavrel, Berck), IPO, Eindhoven, The Netherlands, November 15, 1996.
56. 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.
57. GALA'97, accepted poster presentation on 'Learning grammatical classes from phonological cues: an experiment.' (with Gillis, Durieux, Kempen), University of Edinburgh, Edinburgh, UK, April 4-6, 1997.
58. European Conference on Machine Learning, ECML'97, accepted poster presentation on 'A Feature-Relevance Heuristic for Indexing and Compressing Large Case Bases.' (with van den Bosch, Zavrel), Prague, April 24, 1997.
59. 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.
60. ACL-EACL Conference, accepted paper on 'Memory-based Learning: Using Similarity for Smoothing.' (with Zavrel), Madrid, July 9, 1997.
61. CONLL'97 Workshop, accepted paper on 'Resolving PP Attachment Ambiguities with Memory-Based Learning.' (with Zavrel, Veenstra), Madrid, July 11, 1997.
62. Cognitive Science Conference 1997, accepted poster on 'Toward Memory-Based Syntactic Processing.', (with Veenstra, Zavrel), Stanford, August 9, 1997.
63. First Conference on Computational Psycholinguistics (CPL'97), accepted paper on 'Toward Memory-Based Syntactic Processing.' (with Veenstra, Zavrel), Berkeley, August 12, 1997.
64. 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.
65. Round Table on Algorithms for Memory-Based Language Processing, paper on 'Abstraction is Harmful?', Corsendonk, Oud-Turnhout, December 13, 1997.
66. 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.
67. 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.
68. ELSNET in Wonderland workshop, accepted paper on 'Rapid development of NLP modules with memory-based learning.', Utrecht, March 1998.
69. 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.
70. COLING/ACL conference, accepted paper on 'Improving data driven wordclass tagging by system combination.', Montreal, Canada, August 10-14, 1998.
71. Ninth CLIN meeting, accepted presentations on 'On the arbitrariness of lexical categories.' (with Gillis, Durieux); 'Memory-Based word sense disambiguation.' (with van den Bosch, Buchholz, Veenstra, Zavrel); 'A numeric transform for memory-based language processing (with Gemis); 'Comparing maximal entropy tagging and memory-based tagging.' (with Depauw, De Raedt, Dehaspe), Leuven, Belgium, December 11, 1998.
72. 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.
73. Computational Natural Language Learning (CoNLL-99), accepted paper on 'Memory-Based Shallow Parsing', (with Jorn Veenstra and Sabine Buchholz), Bergen, Norway, June 12, 1999.

1997

1998

1999

74. Joint Conference on Empirical Methods in NLP and Very Large Corpora, accepted paper on ‘Cascaded Grammatical Relation Assignment.’, (with Jorn Veenstra and Sabine Buchholz), College Park, Maryland, June 21-22, 1999.
75. 37th annual meeting of the ACL, accepted paper on ‘Memory-based morphological analysis.’, (with Antal van den Bosch), College Park, Maryland, June 23-26, 1999.
76. 6th European conference on speech communication and technology, accepted poster presentation on ‘Machine learning of word pronunciation: the case against abstraction.’, (with Antal van den Bosch and Bertjan Busser), Budapest, Hungary, September 5-9, 1999.
77. 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.
78. 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.
79. 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.
80. Evolang (Evolution of Language) Conference, accepted poster on ‘GraeL, Grammar Adaptation, Evolution and Learning.’ (with De Pauw) Paris, France, April 3-6, 2000.
81. 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.
82. 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.
83. 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.
84. 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.
85. 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.
86. 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.
87. 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.
88. 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.
89. AMLaP-2000, accepted poster on ‘Testing dual route models for morphology: german plurals.’ Leiden, The Netherlands, September 20-23, 2000.
90. BNAIC’00, accepted paper on ‘Meta-learning for phonemic annotation of corpora.’ (with Hoste, Gillis), Tilburg, The Netherlands, 1–2 November, 2000.
91. CLIN 2000, accepted paper on ‘GRAEL: a distributed, evolutionary computing approach to grammar optimization.’ (with De Pauw), Tilburg, The Netherlands, 3 November, 2000.
92. CLIN 2000, accepted paper on ‘A memory-based approach to connectionist shift-reduce parsing.’ (with Veenstra), Tilburg, The Netherlands, 3 November, 2000.
93. 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.
94. Bene-Evolang 2000, accepted paper on ‘Data-driven GRAEL: a distributed, evolutionary computing approach to grammar induction and optimization.’ (with De Pauw), Brussels, Belgium, 17th November, 2000.
95. TWLT 18 and CEvoLE 2, Internalising Knowledge, accepted paper on ‘Diverse classifiers for NLP disambiguation tasks. Comparison, Optimization, Combination, and Evolution.’ (with Zavrel, Degroeve, Kool, Jokinen), Ieper, Belgium, November 22-24, 2000.
96. 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.
97. 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.

2000

**2001**

98. 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.
99. COCOSDA Workshop 2001, accepted contribution on ‘Strengthening the Dutch Language and Speech Technology Infrastructure.’, (with Cucchiarini and Strik), Aalborg, September 2, 2001.
100. RANLP 2001, accepted paper on ‘SHAPAQA: Shallow Parsing for Question Answering on the World Wide Web.’ Tsigov Chark, 5-7 September, 2001.
101. 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.
102. 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.
103. CLIN 2001, accepted paper on ‘Stress assignment in Dutch: dual and single mechanism models.’ (with Durieux, Martens, Gillis, Sandra), Enschede, November 30, 2001.
104. 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.
105. CLIN 2001, accepted paper on ‘Interaction between named-entity recognition and base NP chunking for Dutch.’ (with Hoste and De Meulder), Enschede, November 30, 2001.

**2002**

106. Dag van de Fonetiek, paper on ‘Where do syllables come from?’, (with Martens, Gillis, Taelman). Utrecht, December 20, 2001.
107. NET-symposium 2002, ‘De oorsprong van syllaben.’ (with Martens, Gillis, Taelman), Nijmegen, The Netherlands, March 15, 2002.
108. 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.
109. LREC 2002, accepted poster on ‘A Human Language Technologies Platform for the Dutch Language.’ (with Binnenpoorte, De Vriend, Sturm, Strik, and Cucchiarini), Las Palmas de Gran canaria, May 31, 2002.
110. ATILA Meeting 2002, paper on ‘Limitations of comparative machine learning methodology.’ (with Hoste), Tilburg, The Netherlands, June 19, 2002.
111. 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.
112. 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.
113. CogSci 2002, accepted paper on ‘Where do syllables come from?’ (with Martens, Gillis, Taelman), George Mason University, Fairfax, Virginia, August 8-10, 2002.
114. 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.
115. 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.
116. 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.
117. 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.
118. Third International Conference on Intelligent Text Processing and Computational Linguistics (CICLING-03). Accepted paper “Is shallow parsing useful for unsupervised learning of semantic clusters.” (with Reinberger), Mexico City, Mexico, February 16-22, 2003.
119. 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.
120. Fourteenth Meeting of Computational Linguistics in the Netherlands, accepted abstract on “Verb Classification.” (with Decadt), Antwerp, Belgium, December 19, 2003.
121. Fourteenth Meeting of Computational Linguistics in the Netherlands, accepted abstract on “Two techniques for morphological segmentation in Dutch.” (with Laureys, De Pauw, Van hamme), Antwerp, Belgium, December 19, 2003.

**2003**

122. Fourteenth Meeting of Computational Linguistics in the Netherlands, accepted abstract on “Evaluation of statistical measures for the selection of semantic dependencies” (with Reinberger), Antwerp, Belgium, December 19, 2003.
123. 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.
124. 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.
125. 4th International Conference on Language Resources and Evaluation (LREC 2004), accepted paper on “Sentence Simplification for Subtitling in Dutch and English.” (with Höthker and Tjong Kim Sang), Lisbon, Portugal, May 26-28, 2004.
126. 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.
127. 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.
128. 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.
129. 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 Compernelle), Lisbon, Portugal, May 26-28, 2004.
130. 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.
131. 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.
132. 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.
133. 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.
134. 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.
135. 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.
136. Computational Linguistics in the Netherlands 2004, accepted poster presentation on “Memory-Based Biological Concept Tagging” (with Meyhi), Leiden, The Netherlands, December 17, 2004.
137. 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.
138. 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.
139. 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.
140. 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.
141. 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.
142. CALCUA symposium, contribution on “Extracting Knowledge from Text”, Antwerpen, October 20, 2005.
143. Computational Linguistics in the Netherlands 2005, accepted presentation on “Lexical representation in supervised machine learning.” (with Decadt), Amsterdam, The Netherlands, December 16, 2005.

2004

2005

**2006**

144. 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.
145. 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.
146. 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.
147. 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.
148. 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.

149. 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.

**2007**

150. 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.
151. CLIN 2006, accepted paper on “The automatic resolution of ”het” in a machine learning approach to Dutch coreference resolution ” (with Hoste, Hendrickx), Leuven, Belgium, January 12, 2007.
152. CLIN 2006, accepted paper on “Evaluating hybrid versus data-driven coreference resolution” (with Hoste, Hendrickx), Leuven, Belgium, January 12, 2007.
153. 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.
154. 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.
155. 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.
156. 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.
157. CLIN 2007, accepted paper on “ Predicting Author Personality from Text” (with Luyckx), Nijmegen, The Netherlands, December 7, 2007.

**2008**

158. CICLing-2008 Conference, accepted paper on “Semantic and syntactic features for anaphora resolution for Dutch.” (with Hendrickx, Hoste), Haifa, Israel, 17-23 February, 2008.
159. Workshop on Parsing and Semantic Role Labeling, presentation on “Domain Adaptation in Memory-Based Shallow Parsing.”, Tilburg, February 26, 2008.
160. 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.
161. 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.
162. 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.
163. Digital Humanities 2008, accepted paper on “Using Syntactic Features to Predict Author Personality from Text” (with Luyckx). Oulu, Finland, June 26, 2008.
164. 12th CoNLL, accepted paper on “A combined memory-based semantic role labeler of English.” (with Morante, Van Asch), Manchester, UK, August 16-17, 2008.
165. COLING 2008, accepted paper on “Authorship Attribution and Verification with Many Authors and Limited Data.” (with Luyckx), Manchester, UK, August 19, 2008.
166. EMNLP 2008 Conference, accepted paper on “Learning the Scope of Negation in Biomedical Texts.” (with Morante, Liekens), Honolulu, 25-27 October, 2008.
167. 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.



168. Taal in Bedrijf, presentation on “My Word Coach: taaltechnologie voor en Nintendospel” (with Vervloesem, Van den Bosch), Brussel, November 19, 2008.
169. 19th Computational Linguistics in the Netherlands, accepted contributions on “Extending a Shallow Parser with PP-attachment and a comparison with full statistical parsing” (with Van Asch), “Aligning complex translational correspondences via bootstrapping” (with Macken), “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 contributions on “Memory-based approaches to event extraction from biomedical texts.” (with Morante and Van Asch), “A Chunk-Driven Bootstrapping Approach to Extracting Translation Patterns” (with Macken), “Weigh your words: memory-based lemma retrieval for Middle Dutch literary texts.” (with Kestemont and De Pauw), “Processing the scope of negation and hedge cues in biomedical texts: a comparative study.” (with Morante), “Modeling normal and impaired knowledge of semantic constraints on adjective order without explicit constraints.” (with Vandekerckhove and Sandra) “Emotion Classification in a Serious Game for Training Communication Skills.” (with Vaassen), Utrecht, February 5th, 2010.
182. CICLing 2010, accepted paper on “A Chunk-Driven Bootstrapping Approach to Extracting Translation Patterns.” (with Macken), Iasi, Romania, March 25, 2010.
183. 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.
184. CoNLL 2010, accepted paper on “Memory-based resolution of in-sentence scopes of hedge cues.” (with Morante, Van Asch), Uppsala, Sweden, July 15, 2010.
185. 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.
186. 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), Hinxtion, UK, October 25, 2010.
187. 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), Hinxtion, UK, October 26, 2010.
188. Intelligent Machines, poster on “BIOGRAPH<sup>TM</sup>: Large scale biomedical relation extraction from unstructured data.” (with Van Asch, Morante), Nijmegen, The Netherlands, November 17, 2010.
189. 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.

2009

2010

2011

190. 21st Computational Linguistics in the Netherlands (CLIN), accepted contributions on “Age and Gender Prediction on Netlog Data.” (with Peersman and Van Vaerenbergh), “Machine Learning Approaches to Sentiment Analysis Using the Dutch Netlog Corpus.” (with Schrauwen), “Without a doubt no uncomplicated task: Negation cues and their scope.” (with Morante and Schrauwen), “Combined Qualitative and Quantitative Error Analysis in Multi-Topic Authorship Attribution.” (with Luyckx), “Robust Rhymes? The Stability of Authorial Style in Medieval Narratives.” (with Kestemont and Sandra), Ghent, February 11th, 2011.
191. 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.
192. BKL Language Day, talk on “Impaired knowledge of adjective order constraints as overeager abstraction.” (with Vandekerckhove, Sandra), Antwerp, May 7, 2011.
193. 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.
194. 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.
195. 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.
196. 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.
197. 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.
198. 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.
199. Serious Games: The Challenge. Paper on “deLearyous: An Interactive Application for Interpersonal Communication Training.” (with Vaassen and others), Ghent, Belgium, October 21, 2011.
200. 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.
201. 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.
202. 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.
203. 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.
204. 22nd Computational Linguistics in the Netherlands (CLIN), accepted contributions on “Cross-Genre Authorship Verification Using Unmasking.” (with Crombez, Kestemont, Luyckx), “Grammar induction for assistive domestic vocal interfaces.” (with De Pauw, van de Loo and others), “A thresholding approach to emotion detection in suicide notes.” (with Luyckx, Vaassen, Peersman), “Kernel-based Logical and Relational Learning with kLog for Hedge Cue Detection.” (with Van Asch, Morante and others), Tilburg, January 20th, 2012.
205. LREC 2012, accepted papers on “The Netlog Corpus: a Resource for the Study of Flemish Dutch Internet Language.” (with Kestemont and others), “ConanDoyle-neg: Annotation of negation in Conan Doyle stories’.” (with Morante), “Vreselijk mooi! (terribly beautiful): A Subjectivity Lexicon for Dutch Adjectives.” (with De Smedt), Istanbul, Turkey, 23-25 May, 2012.
206. 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.
207. 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.
208. 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.
209. Digital Humanities, accepted paper on “Evaluating unmasking for cross-genre authorship verification.” (with Kestemont, Luyckx, Crombez), Hamburg, Germany, July 18, 2012.

2012

210. 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.
211. CLEF 2012 QA4MRE Lab, papers on “Annotating Modality and Negation for a Machine Reading Evaluation.” (with Morante) and on “Machine Reading of Biomedical Texts about Alzheimer’s Disease.” (with Morante, Valencia, Krallinger), Rome, Italy, September 18, 2012.
212. 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.
213. 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.
214. 23rd Computational Linguistics in the Netherlands (CLIN), accepted contributions on “A simple method for topic classification for morpho-logically complex languages” (with Vaassen, Kapociute-Dzikiene, De Pauw); “Semantic classification of Dutch and Afrikaans noun-noun compounds” (with Verhoeven, van Huyssteen); “Semantic frame induction in an assistive vocal interface using hierarchical HMMs” (with van de Loo, Gemmeke, De Pauw, Van hamme); “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.
215. Benelearn 2013, accepted paper on “An analytical approach to similarity measure selection for selftraining”. (with Van Asch), Nijmegen, The Netherlands, June 3, 2013.
216. Workshop on Computational Personality Recognition, accepted paper on “Ensemble Methods for Personality Recognition.” (with Verhoeven, De Smedt). Boston, USA, July 11, 2013.
217. 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, 2122 August, 2013.
218. 14th Annual Conference of the International Speech Communication Associati (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.
219. AfLaT 2013, accepted paper on “Semantic Classification of Dutch and Afrikaans Noun-Noun Compounds.” (with Verhoeven, van Huyssteen). Ghent, December 6, 2013.
220. 24th Computational Linguistics in The Netherlands (CLIN 2014), accepted contributions on “Weakly supervised semantic frame induction: effects of using background knowledge.” (with van de Loo, Gemmeke, De Pauw, Van hamme); “Natural Language Processing for Internet Security: the AMiCA project’.” (with Hoste, De Pauw, Lefever, Desmet, Schulz, Verhoeven, Van Hee); “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.
221. LREC 2014, accepted presentations on “CLiPS Stylometry Investigation (CSI) corpus: A Dutch corpus for the detection of age, gender, personality, sentiment and deception in text.” (with Verhoeven); “The Strategic Impact of META-NET on the Regional, National and International Level” (with Georg Rehm and others), Reykjavik, Iceland, May 26-31, 2014.
222. 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) and “Towards a General Purpose Tagger-Lemmatizer for Pre-Modern Dutch.” (with Kestemont, De Pauw, van Nie), Amsterdam, The Netherlands, The Hague, June 12-13, 2014.
223. 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.
224. 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.
225. 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.
226. PAN 2014 (at CLEF), “Overview of the Author Identification Task at PAN 2014”; “Overview of the 2nd Author Profiling Task at PAN 2014” (with Stamatos, Rosso, Rangel, Verhoeven, and others), Sheffield, UK, September 16, 2014.
227. 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.
228. KVAB/KANTL joint meeting, paper on “Een onverwachte toepassing van automatische stijlanalyse: veiligheid van jongeren in sociale netwerken.” Brussels, 20 september, 2014.

2013

2014

229. 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.
230. 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.
231. 25th Computational Linguistics in the Netherlands Conference (CLIN 2015), accepted poster on “A semi-supervised method for cleanup of a User-Generated Content Corpus.” (with Manjavacas, Verhoeven); accepted poster on “Comparing NLP techniques to represent unstructured data sources for the prediction of clinical codes.” (with Scheurwegs, van den Bulcke, Luyckx, Luyten); accepted poster on “Weakly supervised concept tagging: combining a generative and a discriminative approach.” (with van de Loo, De Pauw, Gemmeke); accepted oral presentation 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.
232. 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); 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.
233. Copyediting for Dutch Symposium, organized by the Dutch Language Union, Moderator of Interactive Session, Antwerp, Belgium, September 24th, 2015.
234. 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.
235. 26th Computational Linguistics in the Netherlands Conference (CLIN26), accepted poster on “A novel approach to aspect extraction taking into account linguistic structure.” (with Tulkens), accepted oral presentation on “Detecting racism in Dutch social media posts.” (with Tulkens, Hilde, Lodewyckx, Verhoeven); accepted oral presentation on “Distributional bootstrapping with Memory-based learning.” (with Cassani, Grimm, Gillis); accepted oral presentation on “Modeling the impact of contextual diversity on word learning.” (with Cassani, Grimm, Gillis); accepted oral presentation on “Personality traits on Twitter for less-resourced languages.” (with Plank, Verhoeven); accepted oral presentation on “Tagging Variation-Rich Languages Using Convolutional Neural Networks.” (with Kestemont, De Pauw, van Nie, Dieleman and de Schryver); accepted oral presentation on “Text-based age and gender prediction for online safety monitoring.” (with van Loo, De Pauw), Amsterdam, The Netherlands, December 18, 2015.
236. TextLink Second Action Conference, accepted poster on “Discourse features for computational stylometry.”, Budapest, Hungary, April 13, 2016.
237. 10th Language Resources and Evaluation Conference, accepted presentations on “Evaluating Unsupervised Dutch Word Embeddings as a Linguistic Resource.” (with Tulkens, Šuster) and “TwiSty: A Multilingual Twitter Stylometry Corpus for Gender and Personality Profiling.” (with Verhoeven, Plank), Portoroz, Slovenia, May 23-28, 2016.
238. 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.
239. DHBenelux Conference 2016, accepted short paper on “Multilingual Personality Profiling on Twitter.” (with Verhoeven, Plank), June 9-10, Belval, Luxembourg, 2016.
240. Digital Humanities 2016, accepted paper on “Authorship Verification with the Ruzicka Metric.” (with Kestemont, Stover, Koppel, Karsdorp), Kraków, Poland, July 11-16, 2016.
241. 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.
242. 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.
243. 4th Conference on CMC and Social Media Corpora for the Humanities, accepted paper on “Expressiveness in Flemish online teenage talk: a corpus-based analysis of social and medium-related linguistic variation.” (with Hilde, Vandekerckhove), Ljubljana, Slovenia, September 27-28, 2016.
244. 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.
245. 27th Computational Linguistics in the Netherlands Conference (CLIN27), accepted oral presentations on “Multi-word units in lexical processing and word learning: a computational investigation” (with Grimm, Cassani, Gillis); accepted oral presentation on “Useful contexts and easy words: effects of distributional factors on lexical category acquisition” (with Grimm, Cassani, Gillis); accepted oral presentation on “Modeling

2015

2016

2017

- language interference effects in bilingual word reading” (with Tulkens, Sandra); accepted poster on “Spelling correction for clinical text with word and character n-gram embeddings” (with Fivez, Šuster); accepted poster on “Cyberbullying detection in Social Media” (with Jacobs, Van Hee, Emmery, Desmet, Lefever, Verhoeven, De Pauw, Hoste); accepted poster on “Clinical Case Reports dataset for machine reading” (with Šuster), Leuven, Belgium, February 10, 2017.
246. Sociolinguistics Circle 2017, accepted presentation on “Adolescents social background and variation patterns in online communication.” (with Vandekerckhove, Hilde). Tilburg, The Netherlands, March 31, 2017.
  247. KANTL meeting, “Mechanische creativiteit? Van ‘écriture automatique’ tot ‘twitterbot’”. Ghent, May 17, 2017.
  248. International Conference on Language Variation in Europe, ICLAVE 9, accepted presentation on “The Sociolinguistics of Flemish Online Teenage Talk: Social and Medium-Related Variation in the Use of Expressive Markers”, Malaga, Spain, June 6-9, 2017
  249. AMLAP 2017, accepted poster on “A Self-Organizing model of the Bilingual Reading System” (with Tulkens, Sandra). Lancaster, UK, September 7-9, 2017.
  250. AMIA 2017 Annual Symposium, accepted poster on “Clinical Machine Comprehension Using Case Reports.” (with Šuster). Washington, USA, November 4-8, 2017.
  251. 28th Computational Linguistics in the Netherlands Conference (CLIN), accepted oral presentations on “Unsupervised dense patient representations with interpretable classification decisions” (with Madhumita Sushil, Simon Šuster, Kim Luyckx); “Global Space: A Reconstructive Model of Word Reading” (with Tulkens, Sandra); “Discourse lexicons for multiple languages and their use for gender profiling” (with Ben Verhoeven); accepted poster presentations on “Stylometric Text Analysis for Adolescents with Autism Spectrum Disorder” (with Luna De Bruyne); “The Claus Case: Exploring the Use of Propositional Idea Density for Alzheimer Detection” (with Silke Marckx, Ben Verhoeven); “Children are more likely to store coherent rather than frequent under-segmented chunks: Quantitative evidence from a corpus study” (with Robert Grimm, Steven Gillis); “Clinical Machine Comprehension with Case Reports” (with Simon Šuster). Nijmegen, The Netherlands. January 6, 2018.
  252. 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.
  253. LREC 2018 accepted paper on “WordKit: a Python Package for Orthographic and Phonological Featurization.” (with Tulkens, Sandra), Santa Fe, August 22, 2018.
  254. PIF 2018, accepted presentations on “What am I reading? Investigating the impact of features on model fit in word reading” (with Tulkens, Sandra); “From lexical categories to acceptable lexical choices: A discriminative learning approach” (with Giovanni Cassani, Robert Grimm, Harald Baayen); “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.
  255. 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.
  256. COLING 2018 accepted paper on “Enhancing General Sentiment Lexicons for Domain-Specific Use.” (with Kreutz), Santa Fe, United States, August 22, 2018.
  257. 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.
  258. AMLAP 2018, accepted poster on “Features Matter in Computational Models of Word Reading” (with Tulkens, Sandra), Berlin, September 6-8, 2018.
  259. 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.
  260. 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.
  261. 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.
  262. 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.
  263. Computational Linguistics in the Netherlands, accepted presentations and posters on “Rule induction for global explanation of neural networks” (with Madhumita Sushil, Simon Šuster); “Overcoming ontology sparsity for entity linking of lexically novel disorder mentions” (with Pieter Fivez, Simon Šuster); “Orthographic neighborhoods in neural networks” (with Stphan Tulkens, Dominiek Sandra); “Revisiting neural relation classification in clinical notes with external information” (with Simon Šuster, Madhumita Sushil); “How to optimize your Twitter collection: Dutch keyword sets for various research goals” (with Tim Kreutz); “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.

2018

2019

**2020**

264. CLIN 30, Utrecht, January 30, 2020. Accepted presentations and posters on “Annotating sexism as hate speech: the influence of annotator bias.” (with Elizabeth Cappon, Guy De Pauw); “Extracting Drug, Reason, and Duration Mentions from Clinical Text Data: A Comparison of Approaches.” (with Jens Lemmens, Simon Šuster); “Stylometric and Emotion-Based Features for Hate Speech Detection.” (with Ilia Markov); “Social media candidate generation as a psycholinguistic task.” (with Stephan Tulkens, Dominiek Sandra); “Tracing thoughts application of ngram tracing on schizophrenia data.” (with Lisa Becker).
265. See also 2020 publications for presentations with published papers at ARTIDIGH, COLING, KDD-Converse, PRASA, Figurative Language Processing workshop, NLPiR, LaTeCH-CLf, Web as Corpus workshop, PEOPLES workshop and LREC conference.

**2021**

266. 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.
267. CLIN 31, Ghent, July 9th 2021. Accepted presentations and posters on “Common Language Resources Infrastructure in Flanders: new prospects.” (with Vandeghinste, Lefever, Van de Cruys and Chambers); “A Rule-Based Approach for Detecting Vaccination Hesitancy in Online Comments.” (with Dejaeghere, Kreutz, Markov); “Monitoring Anti-Vaccination Discourse in Dutch Twitter and Facebook Comments.” (with Lemmens, Kreutz, Van Nooten, Markov); “On the Importance of Function Words in Cross-Domain Age Detection.” (with Van Nooten, Markov).
268. DH Benelux 2021. Accepted papers on “Coding Art: Multi-Modal Iconclass Codes Retrieval using Neural Networks.” (with Banar, Kestemont), Leiden, June 2, 2021.
269. CLARIN Annual Conference 2021. Accepted paper on “CLARIN Flanders: new prospects.” (with Vandeghinste, Lefever, Van de Cruys and Chambers). September 27-29, online event, 2021.
270. See also 2021 publications for presentations with published papers at ICAART, ECPR, BNAIC, CONVAI, CMC, BIONLP, EAACL, EMNLP, WASSA, etc.
271. 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, online, 2021.