Curriculum Vitae

Personalia

First names	Katrien Marie Bert
Last name	Beuls
Date of birth	7 November 1986
Address	Damhertlaan 51, 1170 Brussels, Belgium
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Nationality	Belgian

Positions, grants and stays abroad

3/2014 – 9/2018	Guest professor (20-35%), Department of Computer Science, Vrije Universiteit Brussel
1/2014 – now	Post-doctoral researcher, Department of Computer Science, Vrije Universiteit Brussel
10/2014	Research visit at the International Computer Science Insitute, Berkeley (USA). Invited by Jerry Feldman.
02/2013 – 03/2013	Research visit at the Institut de Biologia Evolutiva, Universitat Pompeu Fabra (Spain). Invited by Luc Steels.
06/2012	Grant to participate in the Complex Systems Summer School, Santa Fe Insitute (USA)
07/2010 – 08/2010 and 05/2011	Research assistant at Sony Computer Science Laboratories, Paris (France). Invited by Remi van Trijp
01/2010– 12/2013	IWT Basic Research Grant for PhD research. Title: *Language games for L2 teaching* (Language games voor het taalonderwijs).
10/2009 – 12/2009	Collaborator on the FP7 ALEAR project on Artificial Language Evolution on Autonomous Robots.
05/2009 – 08/2009	Thesis internship at the Information Retrieval Facility, Vienna (Austria). Invited by John Tait.
05/2008 – 06/2008	Trainee at the Acoustics Research Institute, Austrian Academy of Sciences, Vienna (Austria). Invited by Sylvia Moosmüller.

Career breaks (maternity leave): 01/2015 – 04/2015 and 01/2017 – 05/2017.

Degrees and prizes

- 2013	PhD in Computer Science, Vrije Universiteit Brussel. Thesis title: *Towards an agent-based tutoring system for Spanish verb conjugation*. Supervisor: Luc Steels.
- 2012	Google Anita Borg Scholarship finalist
- 2009	MSc in Speech and Language Processing, University of Edinburgh. Thesis title: *Text Categorization for Intellectual Property*. Supervisors:

Rob Clark and Allan Hanbury (Technical University of Vienna). Degree: Cum Laude.

- 2008   MA in Linguistics and Literature, University of Leuven. Thesis title: *La discusión discutida: análisis pragmático-funcional del uso de los cinco marcadores discursivos más frecuentes en un corpus de Gran Hermano.* Supervisor: Nicole Delbecque. Degree: Magna cum Laude.

Courses and certificates

- 2012   Seminar on Effective Scientific Communication (lecturer: Jean-luc Doumont), VUB Doctoral School.
- 2012   Complex Systems Summer School (Santa Fe Institute).
- 2012   Seminar on Effective Written Documents (lecturer: Jean-luc Doumont), VUB Doctoral School.
- 2011   Course on Introduction to Phylogenetics for Linguists (lecturer: Loretta O'Connor), LOT Summer School.
- 2011   PhD Course in Contemporary Cognitive Linguistics (University of Tromsoe).

Courses taught

- 2013 - 2018   Natural Language Processing (Master in Computer Science, Vrije Universiteit Brussel)
- 2015 – 2018   Artificial Intelligence Programming Paradigms (Master in Computer Science, Vrije Universiteit Brussel)
- 2013 - 2014   Online video lectures on Fluid Construction Grammar (see https://www.fcg-net.org/tutorial/lectures)
- 2011 – 2012   Statistical Foundations of Machine Learning (Practical sessions) (Master in Computer Science, Vrije Universiteit Brussel)
- 2010 – 2011   Methods of Scientific Research (Practical sessions and evening classes) (Master in Computer Science, Vrije Universiteit Brussel)

Administrative service

- 2011 - 2013   PhD representative of the Computer Science Department in the VUB Doctoral School of Sciences and Engineering
- 2012 – now   President of the International Evolutionary Linguistics Association Coordination Office

Review activities

- External project proposal reviewer for NWO
- Regular review activities for a.o.:
   Adaptive Behavior
   Artificial Life
   Artificial Intelligence Review
   Evolving Systems
   Non-linear science
   The Journal of Cognitive Science

Language Dynamics and Change
Linguistics Vanguard
Knowledge and Information Systems
Computer Assisted Language Learning
International Conference on Computational Linguistics
International Conference on the Evolution of Language
International Conference on Development and Learning and on Epigenetic Robotics

Software projects

- Babel2   Git repository hosting the source code of a multi-agent experiment
                    framework, targeted to evolutionary linguistics. Simulations. It also
                    includes submodules such as Fluid Construction Grammar (FCG), an
                    language and inference engine that supports (semantic) parsing and
                    production.
                    https://github.com/EvolutionaryLinguisticsAssociation/Babel2

- Penelope   An open platform for social scientists and media researchers in which
                    various components can be integrated for analysing online multi-
                    media documents.: http://penelope-platform.eu

Conference organisation

- Local sponsorhip chair of the *2018 Conference on Empirical Methods in Natural Language Processing* (EMNLP). Invited by Sien Moens (KU Leuven).
- Member of the Scientific Committee of the *1st ODYCCEUS conference on Opinion DYnamics and Cultural Conflict in EUropean Space* (Leipzig, 19 – 22 June 2018).
- Co-organizer of *Constructions at Play: Hands-on Tutorial on Fluid Construction Grammar*. Tutorial at the 10th International Conference on Construction Grammar (Paris, 15-20 July 2018), with Paul Van Eecke (VUB).
- Co-organizer of *AAAI Spring Symposium on Computational Construction Grammar and Natural Language Understanding* (Stanford, 27 – 29 March 2017), with Luc Steels (VUB) and Jerry Feldman (ICSI Berkeley).
- Co-organizer of *Evolutionary semantics on real robots*. Technical atelier at the International Summer School on Creativity, Evolution in Games, Language, Robots, Life and Art (Como, 5 – 9 September 2016), with Michael Spranger (Sony CSL Tokyo) and Brigitte Krenn (Austrian Research Institute for Artificial Intelligence).
- Co-organizer of *The basics of Fluid Construction Grammar*. Tutorial at *Morphology Days 2015* (Leuven, 17 December 2015), with Paul Van Eecke.
- Co-organizer of *Shifting classes: Germanic strong and weak preterite.* Workshop at Societas Linguistica Europaea (SLE) Annual Meeting 2015 (Leiden, 2 – 5 September 2015), with Freek Van de Velde (KU Leuven) and Bernard De Clerck (UGent).
- Co-organizer of the *annual BKL-CBL conference* on "Computational Construction Grammar and Constructional Change" (Brussel, 8 June 2015), with Remi van Trijp (Sony CSL Paris).
- Co-organizer of *Computational Construction Grammar for Collaborative Open-Source Grammar Development*. Tutorial at the 9th edition of the Language Resources and Evaluation Conference (Reykjavik, 26 -31 May 2014), with Remi van Trijp (Sony CSL Paris).
- Assisting the organization of the *International School on Agent-based Models of Creativity* (Cortona, 16 – 20 September 2013), directed by Luc Steels (VUB).

PhD supervision and membership of PhD jury

- As of 10/2017   PhD supervisor of Jens Nevens (Teaching assistant, Computer Science Department, Vrije Universiteit Brussel).
- 2016 – 2018   Co-supervisor of the PhD project 'Generalisation and Specialisation Operators for Computational Construction Grammar and their Application in Evolutionary Linguistics Research' (Paul Van Eecke) as part of the Marie Curie ITN 'Evolution of Shared Semantics in Computational Environments ' (Vrije Universiteit Brussel, supervisor Luc Steels).
- 25/05/2018   Secretary of the PhD jury of Kennedy Kambona: *Reentrancy and Scoping in Cloud-based Rule Engines* (Vrije Universiteit Brussel, supervisor Wolfgang De Meuter).
- 17/11/2017   Member of the PhD jury of Hannah Little: *It's not all in your Mind: Modality Effects on the Emergence of Combinatorial Structure* (Vrije Universiteit Brussel, supervisor Bart de Boer).
- 12/06/2017   Member of the PhD jury of Heikki Rasilo: *Computational models of associative learning in the acquisition of speech imitation, acoustic word models and word-meaning mappings* (Vrije Universiteit Brussel, supervisor Bart de Boer).

Confirmed PhD jury membership for Hoang Long Cao (VUB, supervisor Bram Vanderborght) and Emilia Garcia (UPF, supervisor Luc Steels).

Project membership

* = actively involved in proposal writing

- Since 01/2017*   Project member of the FET RIA project (H2020) *Opinion DYnamics and Cultural Conflict in EUropean Space* (ODYCCEUS). Work package leader for WP4. VUB representative at project review meetings. Other partners: Max Planck Institute for Mathematics in The Sciences (coordinator Eckehard Olbrich), Universita Ca'Foscari Venezia, Chalmers University of Technology, Pierre et Marie Curie University Paris, Université Paris Diderot, Universiteit van Amsterdam, Universität Leipzig.

- 2016 – 2018*   Project coordinator of the Chist-ERA project *Artificial Language Understanding in Robots* (ATLANTIS), funded in the Human Language Understanding call 2015. Project management and scientific leader for WP3. Other partners: Austrian Research Institute for AI (OFAI), Lattice – CNRS, Universitat Pompeu Fabra, Sony Computer Science Labs.

- 2013 – 2017   Principal investigator in the Marie Curie Initial Training Network on *Evolution of Shared Semantics in Computational Environments* (ESSENCE). Daily supervision of early stage research fellows (Yana Knight/Michael Anslow). Other partners: School of Informatics, The University of Edinburgh; Institute for Logic, Language, and Computation, Universiteit van Amsterdam; Department of Information

		Engineering and Computer Science, Universita di Trento; Sony Computer Science Labs Paris; TAIGER Madrid.
-	2012 - 2015	Project member of the FP7 FET Open project *Practice and peRformance Analysis Inspiring Social Education* (PRAISE). Other partners: Artificial Intelligence Research Institute (CSIC); Goldsmiths College, University of London; Sony CSL Paris.
-	2011 – 2014	Project member of the European Science Foundation project *Digging for the roots of understanding* (DRUST). VUB representative at project meetings. Principal Investigators: Luc Steels (VUB), Andreas Roepstorff (University of Aarhus), Dan Zahavi (University of Copenhagen), Claudio Castellano (Universita di Roma), Joanna Raczaszek-Leonardi (University of Warsaw).

Rejected research proposals with scores:

- H2020 FET Open 2014-2015 RIA (3.5/5; 3 = good)
- H2020 FET Proact 2014 (4.4/5.0; 4 = very good)
- Co-applicant in (same) FWO research project in 2013, 2014, 2015 and 2016 (not ranked)
- FWO postdoc 2014 – Cult1 (not ranked but outstanding scores, upper 5%)

Outreach

-	23/05/2018	Invited speaker at the 7th Databeers Brussels on 'Tracking Opinions in Online Textual Media'.
-	12/04/2018	Presenting the topic 'Human Language Understanding – Grounded Language Learning' at the general assembly of the CHIST-ERA projects seminar 2018, Paris.
-	13/12/2017	Invited speaker at the Brussels AI Meetup (organised by Pedro Faria) on 'Language and Robots'.
-	16/11/2017	Invited speaker at the NLP Meetup (organised by Yves Peirsman) on 'How robots can really acquire linguistic intelligence'.
-	18/09/2017	Organized reunion of the VUB AI Lab alumni on the occasion of Luc Steels' retirement. I also edited a liber amicorum for this occasion together with Bart de Boer and Tony Belpaeme.
-	05/12/2014	Organization and participation in round table on 'Can intelligence exist without a body?', Leuven.
-	29/10/2014	Radio interview, De Bende van Annemie (Radio 1, Belgium): "Iedereen bang van Artificial Intelligence?"
-	15/04/2014	Organization of the 10th Evolang birthday party (Vienna), community building.
-	01/04/2010	Invited speaker at Pecha Kucha VUB/ULB (Campustalks).

Publications, invited talks and conference talks

1. Publications

   a. Journal articles

- Van Eecke, P., & Beuls, K. (Forthcoming, 2018). Exploring the creative potential of computational construction grammar. *Zeitschrift für Anglistik und Amerikanistik.*

- Beuls, K. (2017). An Open-ended Construction-based Grammar for Spanish verb conjugation. *Constructions and Frames,* 9(2), 276-299.

- Beuls, K., Knight, Y., & Spranger, M. (2017). Russian verbs of motion and their aspectual partners in Fluid Construction Grammar. Constructions and Frames, 9(2), 300-318.

- Radulescu, R., & Beuls, K. (2016). Modelling pronominal gender agreement in Dutch: From a syntactic to a semantic strategy. *Belgian Journal of Linguistics*, *30*, 219-250.

- Pijpops, D., & Beuls, K. (2015). Agent-gebaseerde modellering in de historische taalkunde. Een model van regularisatiedruk op de Nederlandse werkwoorden. *Handelingen van de Koninklijke Zuid-Nederlandse Maatschappij voor Taal- en Letterkunde en Geschiedenis*, *69*, 5-23.

- Pijpops, D., Beuls, K., & Van de Velde, F. (2015). The rise of the verbal weak inflection in Germanic: An agent-based model. *Computational Linguistics in the Netherlands*, *5*, 81-102.

- Beuls, K. (2014). Grammatical Error Diagnosis in Fluid Construction Grammar: A Case Study in L2 Spanish Verb Morphology. *Computer Assisted Language Learning*, *27*(3), 246-260.

- Beuls, K., & Steels, L. (2013). Agent-Based Models of Strategies for the Emergence and Evolution of Grammatical Agreement. *PLoS ONE*, *8*(3), [e58960].

- Beuls, K. (2012). Inflectional patterns as constructions: Spanish verb morphology in Fluid Construction Grammar. *Constructions and Frames*, *4*(2), 231-250.

b. Book chapters

- Beuls, K., Steels, L., & Van Eecke, P. (Forthcoming, 2018). Strategies for Interactive Task Learning and Teaching. In J. Laird, & K. Gluck (Eds.), Interactive Task Learning: Agents, Robots, and Humans Acquiring New Tasks through Natural Interaction (Ernst Strüngmann Forum). MIT Press.

- Steels, L., & Beuls, K. (2017). How to explain the origins of complexity in language: A case study for agreement systems. In S. Mufwene, C. Coupé, & F. Pellegrino (Eds.), *Complexity in Language: Developmental and Evolutionary Perspectives* (pp. 30-47) (Cambridge Approaches to Language Contact). Cambridge: Cambridge University Press.

- Beuls, K., & Loeckx, J. (2015). Steps towards intelligent MOOCs: A case study for learning counterpoint. In L. Steels (Ed.), *Music Learning With Massive Open Online Courses* (pp. 119-144). [9] (The Future of Learning; Vol. 6). Amsterdam: IOS Press.

- Gerasymova, K., Spranger, M., & Beuls, K. (2012). A Language Strategy for Aspect: Encoding Aktionsarten through Morphology. In L. Steels (Ed.), Experiments in Cultural Language Evolution (pp. 257-276). (Advances in Interaction Studies; Vol. 3). John Benjamins Publishing Company.

- Wellens, P., Beuls, K., & Van Trijp, R. (2012). Diagnostics and Repairs in Fluid Construction Grammar. In L. Steels, & M. Hild (Eds.), *Language Grounding in Robots* (pp. 215-234). Springer.

- Beuls, K. (2012). Handling Scope in Fluid Construction Grammar: A Case Study for Spanish Modals. In L. Steels (Ed.), *Computational Issues in Fluid Construction Grammar* (pp. 123-142). (Lecture Notes in Artificial Intelligence; Vol. 7249). Springer.

- Beuls, K., Steels, L., & Höfer, S. (2012). The Emergence of Internal Agreement Systems. In L. Steels (Ed.), Experiments in Cultural Language Evolution (pp. 233-256). (Advances in Interaction Studies; Vol. 3). John Benjamins Publishing Company.

- Beuls, K., & Steels, L. (Ed.) (2011). Construction sets and unmarked forms: A case study for Hungarian verbal agreement. In M. Fried, & J. Östman (Eds.), *Design Patterns in Fluid Construction Grammar* (pp. 237-264). (Constructional Approaches to Language). John Benjamins Publishing Company.

c. Conference papers

- Hoorens, S., Beuls, K., & Van Eecke, P. (2017). Constructions at Work! Visualising Linguistic Pathways for Computational Construction Grammar. In *Proceedings of the 29th Benelux Conference on Artificial Intelligence* (pp. 224-237).

- Van Eecke, P., & Beuls, K. (2017). Meta-Layer Problem Solving for Computational Construction Grammar. In *The 2017 AAAI Spring Symposium Series* (pp. 258-265). Palo Alto, California: AAAI Press.

- Santos Marques, T. F., & Beuls, K. (2016). A Construction Grammar Approach for Pronominal Clitics in European Portuguese. In *Computational Processing of the Portuguese Language: 12th International Conference, PROPOR 2016, Tomar, Portugal, July 13-15, 2016, Proceedings* (pp. 239-244). (Lecture Notes in Artificial Intelligence). Springer Verlag.

- Santos Marques, T. F., & Beuls, K. (2016). Evaluation Strategies for Computational Construction Grammars. In *Proceedings of COLING 2016: the 26th International Conference on Computational Linguistics: Technical Papers* (pp. 1137-1146). Osaka, Japan: The COLING 2016 Organizing Committee.

- Spranger, M., & Beuls, K. (2016). Referential Uncertainty and Word Learning in High-Dimensional, Continuous Meaning Spaces. In *6th International Conference on Development and Learning and on Epigenetic Robotics* (pp. 95-100)

- Beuls, K. (2013). A constructionist approach to student modeling: tracing a student's constructions through an agent-based tutoring architecture. In L. Bradley, & S. Thouësny (Eds.), *EUROCALL Conference proceedings: Learning from the Past, Looking to the Future.* (pp. 45-50). DOI: 10.14705/rpnet.2013.000137

- Wellens, P., Van Trijp, R., Beuls, K., & Steels, L. (2013). Fluid Construction Grammar for Historical and Evolutionary Linguistics. In *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics* (pp. 127-132)

- Van Trijp, R., Steels, L., Beuls, K., & Wellens, P. (2012). Fluid Construction Grammar: The New Kid on the Block. In *Proceedings of the 13th Conference of the European Chapter of the Association for computational Linguistics.*

- Beuls, K. (2012). Construction Grammar Towards an L2 grammar corrector for Spanish: Tense, aspect and mood in Fluid Construction Grammar. In L. Bradley, & S. Thouësny (Eds.), *EUROCALL Conference proceedings: CALL: using, learning, knowing.*

- Beuls, K. (2011). Disambiguating Stickers. Grammatical Agreement as a Design Pattern. *Proceedings of the Benelux Conference on Artificial Intelligence*, *23* (pp. 28-35).

- Beuls, K., & Bleys, J. (2011). Game-based Language Tutoring. In *Proceedings of the IJCAI 2011 Workshop on Agents Learning Interactively from Human Teachers (ALIHT)* (pp. 1-5)

- Beuls, K., & Höfer, S. (2011). Simulating the Emergence of Grammatical Agreement in Multi-Agent Language Games. In T. Walsh (Ed.), *Proceedings of the Twenty-Second International Joint Conference on Artificial Intelligence* (Vol. 1, pp. 61-66). (Proceedings of the Twenty-Second International Joint Conference on Artificial Intelligence). AAAI Press.

- Beuls, K., Pflugfelder, B., & Hanbury, A. (2010). Comparative Analysis of Balanced Winnow and SVM in Large Scale Patent Categorization. In *Proceedings of the 10th Dutch-Belgian Information Retrieval Workshop* (pp. 8-15). (Proceedings of the 10th Dutch-Belgian Information Retrieval Workshop).

- Beuls, K., Van Trijp, R., & Gerasymova, K. (2010). Situated Learning through the Use of Language Games. In *Proceedings of the 19th Annual Machine Learning Conference of Belgium and The Netherlands* (Proceedings of the 19th Annual Machine Learning Conference of Belgium and The Netherlands).

d. Books, as editor

- Beuls, K. (Ed.) (2017). Luc Steels - Growing Seeds: Cutting-edge research & mentorship since 1982. Antwerp: Berger & Montag Publishers.

e. Journal special issues, as editor

- Beuls, K., & Steels, L. (2017). *The verb phrase in Fluid Construction Grammar*. Special issue of *Constructions and Frames* 9(2).

- Beuls, K., & Van Trijp, R. (2016). *Computational Construction Grammar and Constructional Change*. Special issue of *Belgian Journal of Linguistics* 30.

2. Invited talks

- Beuls, K. (2018). Digital Innovation Summit, Brussels, 27 June 2018.
- Beuls, K. (2018). Guest Talk at SMIT, 25 June 2018.
- Beuls, K. (2016). 'Introducing computational construction grammar for language tutoring'. Invited talk at the German Cognitive Linguistics Conference, Essen, 5-7 October 2016.

- Beuls, K. (2016). 'Simulating resemanticization processes in Dutch pronominal gender agreement'. Invited presentation at the Workshop on the Mechanisms of Grammatical Change, Wissenschaftskolleg Berlin, 2-3 June 2016.

- Beuls, K. (2015). 'Agent-based models of strategies for the emergence and evolution of grammatical agreement'. Invited talk at the CS-DC'15 World e-Conference, Evolution of Languages E-session, 1 October 2015.

- Van Trijp, R., & Beuls, K. (2015). 'Computational construction grammar and constructional change'. Guest lecture at the 2nd ESSENCE Summer School, Edinburgh, 27-28 August 2015.

- Beuls, K. (2014). 'Computational Construction Grammar for Speech'. Guest lecture at the University College Berkeley (CogNetwork). Berkeley, 8 October 2014.

- Beuls, K. (2014). 'How computational construction grammar can revolutionize language tutoring applications'. Invited workshop presentation at the International Construction Grammar Conference. Osnabrück, 3-6 September 2014.

- Beuls, K. (2014). 'Agent-based models of strategies for the emergence and evolution of grammatical agreement'. Guest lecture at the Université de Lille 3, 23 May 2014.

- Beuls, K. (2014). 'The importance of tutoring for symbolic communication'. Invited talk at the Final DRUST Workshop. Lisbon, 9 - 10 May 2014.

- Beuls, K. (2013). 'Agent-based models of strategies for the emergence and evolution of grammatical agreement'. Guest lecture at Werkgroep Over Taal, Vrije Universiteit Brussel. Brussel, 18 April 2013.

- Beuls, K. (2013). 'A first encounter with Fluid Construction Grammar.' Invited seminar talk at the Grup de Tecnologies dels Recursos Lingüístics, Universitat Pompeu Fabra. Barcelona, 4 March 2013.

- Beuls, K. (2012). 'Intelligent Tutoring Systems'. Invited talk at the workshop on The Future of Learning (PRAISE project). Casteldelfells, 10-12 December 2012.

- Beuls, K. & Steels, L. (2012). 'When will they start to speak? A roadmap for endowing robots with language capacities'. Keynote talk at the 5th International Workshop on Human-Friendly Robotics. Brussels, 19 October 2012.

- Beuls, K. (2012). 'Automatically repairing grammatical errors. Tense, aspect and mood in Spanish verbs'. Invited talk at the DRUST workshop on 'Rethinking Meaning in the Ecological View of Language'. Bologna, Italy, 11 April 2012.

- Beuls, K. (2011). 'Evolutionary Simulations on the Emergence of Grammatical Agreement'. Invited talk at the workshop on Alife Approaches to Artificial Language Evolution (part of ECAL 2011). Paris, 8 August 2011.

- Beuls, K (2011). 'Computational construction grammar and linguistic processing'. Invited talk at the ALEAR workshop on *The Future of Linguistics*. Barcelona, Spain, 26 January 2011

3. Conference talks (based on submitted abstracts)

- Beuls, K., & Van Eecke, P. (2018). Argumentative Frame Retrieval in the Climate Change Debate. Accepted for oral presentation in the first Odycceus conference. Leipzig, 18 – 22 June 2018.

- van Trijp, R., Van Eecke, P., & Beuls, K. (2018). 'Constructions That Work: A Computational Grammar for English in Fluid Construction Grammar'. Accepted for oral presentation at the Tenth International Conference on Construction Grammar. Paris, 15 – 18 July 2018.

- Beuls, K., & Van Eecke, P. (2018). 'Representing constructional dependencies in computational construction grammar'. Accepted for oral presentation at the Tenth International Conference on Construction Grammar. Paris, 15 – 18 July 2018.

- Beuls, K., & Van Eecke, P. (2017). 'Evaluating Computational Construction Grammars.' Oral presentation at the 27th Meeting of Computational Linguistics in the Netherlands (CLIN 27). Leuven, 10 February 2017.

- Beuls, K., & Van Eecke, P. (2017). 'The Role of Morphological Marking in Reducing Semantic Ambiguity'. Poster presentation at the The 30th Annual CUNY Conference on Human Sentence Processing. MIT, Cambridge, 1 April 2017.

- Beuls, K., Van Eecke, P., & Steels, L. (2016). 'A Library of Meta-Level Diagnostics and Repairs for Fluid Construction Grammar'. Demo presentation at the Twenty-Eight Benelux Conference on Artificial Intelligence (BNAIC). Amsterdam, 11 November 2016.

- Pijpops, D., Beuls, K., & Van de Velde, F. (2016). 'Explaining the success of the Germanic weak dental suffix in the face of a regular strong inflection'. Oral presentation at the 22nd Germanic Linguistics Annual Conference. Reykjavik, 21 May 2016.

- Radulescu, R-T., & Beuls, K. (2015). 'A Multi-Agent Model Approach to Resemanticization in Pronominal Agreement in Dutch'. Oral presentation at the 26th Meeting of Computational Linguistics in the Netherlands (CLIN 26). Amsterdam, 18 December 2015.

- Beuls, K. (2015). 'An open-ended construction-based grammar for the Spanish verb phrase'. Oral presentation at the Morphology Days 2015. Leuven, 17 December 2015.

- Pijpops, D., Beuls, K., & Van de Velde, F. (2015). Fighting in broken formation. The competition between the Germanic strong ablaut classes and weak suffix inflection in an agent-based model. Oral presentation in the Workshop on Shifting classes: Germanic strong and weak preterites and participles (SLE 2015). Leiden, 3 September 2015.

- Beuls, K. (2014). 'Spirals in Language Evolution. The case of internal agreement systems'. Oral presentation at the Tenth Conference on the Evolution of Language. Vienna, 16 April 2014.

- Beuls, K., Ferdinand, V., & Kanwai, J. (2012). 'Self-Organisation of a Learnable Language: What Happens When an Alien Language Replicates through Human Brains'. Poster presentation at the IEEE International Conference on Development and Learning and Epigenetic Robotics (ICDL). San Diego, 7-9 November 2012.

- Beuls, K. (2011). 'The emergence of nominal constituency'. Poster presentation at the LOT Summer School. Leuven, 13 June 2011.

- Wellens, P., & Beuls, K. (2010). 'Linking constructions and categories: A case study for Hungarian object agreement'. Oral presentation at the International Conference on Construction Grammar. Prague, 4 September 2010.

- Beuls, K (2010). 'Hungarian object agreement in FCG'. Poster presentation at the IK Spring School (focus theme: Play, Act and Learn). Günne, 12-19 March 2010.