

# Aurélie Herbelot

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## Research interests

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Computational linguistics: formal semantics, distributional semantics, reference phenomena, models of quantification and genericity, integration of perception and language in semantics.

## Education

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- 2006–2010 PhD in computer science, University of Cambridge, UK.  
Supervisor: Ann Copestake  
Dissertation Title: *Underspecified quantification*
- 2005–2006 MPhil in Computer Speech, Text and Internet Technology,  
University of Cambridge, UK.  
Supervisor: Ann Copestake  
Dissertation Title: *Acquiring ontological relationships from corpora*
- 2000–2005 BSc Hons in Information Technology and Computing (1:1), Open  
University, UK.
- 1997–1998 MA in Literature and Linguistics (‘Mention très bien’), Université  
de Savoie, France. Awarded with ‘Félicitations du jury’ (praise of  
the committee).
- 1994–1997 BA in Literature and Linguistics, Université de Savoie, France.

## Grants and scholarships

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- 2018 NVIDIA recipient of a hardware grant for a TESLA GPU.
- 2017 Marie Curie Individual Fellowship (24 months, €158,121.60).  
Success rate 15%. Project score: 95.6%.
- 2016 Mozilla ‘MOSS mission partner’ award for my open-source project  
PeARS (Peer-to-peer Agent for Reciprocated Search). \$15,500.
- 2016 NVIDIA recipient of a hardware grant for a TESLA GPU.
- 2011–2013 Humboldt Research Fellowship for Postdoctoral Researchers from  
the Alexander von Humboldt Foundation, Germany. ≈ €65,000.
- 2005–2010 Full MPhil and PhD scholarships from the Engineering and Physical  
Sciences Research Council (EPSRC), UK.

## Positions held / industry work

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### Academic positions

- 2018- **Assistant professor (ricercatore)**, Centre for Mind/Brain Sciences, University of Trento, Italy.
- 2017-2018 **Marie Curie-Skłodowska Fellow**, Department of Translation and Language Sciences, Universitat Pompeu Fabra, Barcelona, Spain.
- 2015-2017 **Postdoctoral fellow (assegnista di ricerca)**, on EU Starting Grant COMPOSES (PI: Marco Baroni), Centre for Mind/Brain Sciences, University of Trento, Italy.
- 2015 (Apr-Oct) **Postdoctoral researcher (wissenschaftliche Mitarbeiterin)**, Institut für Maschinelle Sprachverarbeitung, Universität Stuttgart, Germany.
- 2013-2015 **Research associate** on the British Academy project *From co-reference to reference resolution* (PI: Simone Teufel), and for the Automated Language Teaching and Assessment (ALTA) Institute, University of Cambridge, UK.
- 2011-2013 **Alexander von Humboldt Research Fellow**, Universität Potsdam, Germany.
- Jun–Jul 09 **Doctoral researcher** at the *Summer research workshop* of Johns Hopkins University, USA.

### Other work

- 2010- Co-founder of *Peer Press*, a micro-publishing company.
- 2004–2005 Applications and Awards Administrator, University of Cambridge.
- 2001–2004 Mortgage Advisor, Cambridge Building Society, Cambridge.
- 1999–2001 Supervisor / Branch Manager, WH Smith, Cambridge.

### Open source project

- 2015- Originator and manager of an open source project aiming at building a decentralised search engine powered by distributional semantics (PeARS: Peer-to-peer Agent for Reciprocated Search<sup>1</sup>). The project is a Mozilla ‘MOSS’ mission partner.

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<sup>1</sup>Details about the project can be found at <http://pearsearch.org/>.

## Lecturing experience

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**University of Trento:** lecturing Masters-level course *Machine Learning for Natural Language Processing* (2018-).

**University of Geneva:** lecturing two Masters-level courses, *Natural Language Processing* and *Scientific reading* (2016-2017).

**University of Trento:** lecturing *Introduction to Computational Linguistics* (2016, with Raffaella Bernardi), including supervision of four student projects.

**University of Trento, LCT European Masters program (Language and Communication Technologies):** co-organisation of reading group on distributional semantics, memory and vision (2015-2016).

**24th European Summer School in Logic, Language and Information (ESSLLI 2012):** Lecturer for the course ‘Distributional semantics for linguists’ (together with Ann Copestake).

**University of Cambridge, Masters in Computer Speech Text and Internet Technology:** Demonstrator for grammar development practical (2006-2008).

**University of Cambridge, Computer Science Tripos:** Supervisor for Natural Language Processing and Information Extraction courses (2006-2008).

## Supervision experience

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**PhD students:** Alexandre Kabbach (jointly supervised with Jacques Moeschler) and Ludovica Pannitto.

**Masters students:** Greta Gandolfi, Siavosh Sepanta, Darya Andreyeva, Andrea Bruera, Elizaveta Kuzmenko, Gosse Minnema, Josine Rawee, Stefano Bellelli, Ionut Sorodoc (jointly supervised with Raffaella Bernardi).

**Masters internships:** Andrea Bruera, Gosse Minnema, Simon Preissner, Darya Andreyeva.

**Masters ‘independent study’:** Enrica Troiano.

## Peer-reviewed publications

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Acceptance rates are given where known (marked as a.r.).

### Journal articles

2021 Eugen Fischer, Paul Engelhardt and **Aur lie Herbelot**, ‘Philosophers’ linguistic expertise: A psycholinguistic approach to the expertise objection against experimental philosophy’, *Synthese*.

- 2021 **Aurélie Herbelot** and Ann Copestake, ‘Ideal words: A vector-based formalisation of semantic competence’, *Künstliche Intelligenz*.
- 2021 Alexandre Kabbach and **Aurélie Herbelot**, ‘Avoiding Conflict: When Speaker Coordination Does Not Require Conceptual Agreement’, *Frontiers in Artificial Intelligence*.
- 2020 Simon Preissner and **Aurélie Herbelot**, ‘Biodiversity in NLP: modelling lexical meaning with the Fruit Fly Algorithm’, *Italian Journal of Computational Linguistics*. 6:1..
- 2018 Ionut Sorodoc, Sandro Pezzelle, **Aurélie Herbelot**, Mariella Dimiccoli, Raffaella Bernardi, ‘Learning quantification from images: A structured neural architecture’, *Journal of Natural Language Engineering*.
- 2016 Gemma Boleda and **Aurélie Herbelot**, ‘Formal Distributional Semantics (an introduction to the special issue)’, *Computational Linguistics*, **42:4**, 619-635. MIT Press. Impact factor: 2.017 (2016).
- 2016 **Aurélie Herbelot** and Eva Maria Vecchi, ‘Many speakers, many worlds: interannotator variations in the quantification of feature norms’, *Linguistic Issues in Language Technology*, **13:2**, 1-20.
- 2014 **Aurélie Herbelot**, ‘The semantics of poetry: a distributional reading’, *Digital Scholarship in the Humanities*, **40:4**, 516-531. Oxford University Press. Impact factor: 0.525 (2016).

### Conference & workshop publications

- 2020 **Aurélie Herbelot**, ‘Simulating the acquisition of core semantic competences from small data’, *Proceedings of Proceedings of the 24th Conference on Computational Natural Language Learning (CoNLL 2020)*, Online, pp. 344–354.
- 2020 Ludovica Pannitto, **Aurélie Herbelot**, ‘Recurrent babbling: evaluating the acquisition of grammar from limited input data’, *Proceedings of Proceedings of the 24th Conference on Computational Natural Language Learning (CoNLL 2020)*, Online, pp. 165–176.
- 2019 Simon Preissner, **Aurélie Herbelot**, ‘To be fair: a case for cognitively-inspired models of meaning’, *Proceedings of Proceedings of the Sixth Italian Conference on Computational Linguistics (CLiC-it 2019)*, Bari, Italy. **Best student paper award**.
- 2019 Johann Seltmann, Luca Ducceschi, **Aurélie Herbelot**, ‘How much competence is there in performance? Assessing the distributional hypothesis in word bigrams’, *Proceedings of Proceedings of the Sixth*

- Italian Conference on Computational Linguistics (CLiC-it 2019)*, Bari, Italy.
- 2019 Jelke Bloem, Antske Fokkens, **Aurélie Herbelot**, ‘Evaluating the consistency of word embeddings from small data’, *Proceedings of Proceedings of the International Conference on Recent Advances in Natural Language Processing (RANLP2019)*, Varna, Bulgaria. (27% a.r.).
- 2019 Alexandre Kabbach, Kristina Gulordava, **Aurélie Herbelot**, ‘Towards incremental learning of word embeddings using context informativeness’, *Proceedings of Proceedings of the Student Research Workshop at the the 57th Annual Meeting of the Association for Computational Linguistics (ACL2019)*, Florence, Italy. (33% a.r.).
- 2019 Gosse Minnema, **Aurélie Herbelot**, ‘From brain space to distributional space: the perilous journeys of fMRI decoding’, *Proceedings of Proceedings of the Student Research Workshop at the the 57th Annual Meeting of the Association for Computational Linguistics (ACL2019)*, Florence, Italy. (33% a.r.).
- 2019 Elizaveta Kuzmenko, **Aurélie Herbelot**, ‘Distributional semantics in the real world: building word vector representations from a truth-theoretic model’, *Proceedings of Proceedings of the 13th International Conference on Computational Semantics (IWCS2019)*, Gothenburg, Sweden. (43% a.r.).
- 2018 Alexandre Kabbach, Corentin Ribeyre and **Aurélie Herbelot**, ‘Butterfly Effects in Frame Semantic Parsing: impact of data processing on model ranking.’, *Proceedings of 27th International Conference on Computational Linguistics (COLING 2018)*, Santa Fe, USA. (33% a.r.), pp. 3158-3169.
- 2017 Ravi Shekhar, Sandro Pezzelle, **Aurélie Herbelot**, Moin Nabi, Enver Sangineto and Raffaella Bernardi, ‘Vision and Language Integration: Moving beyond Objects’, *Proceedings of Proceedings of the 12th International Conference on Computational Semantics (IWCS2017)*, Montpellier, France. (53% a.r.).
- 2017 **Aurélie Herbelot** and Marco Baroni, ‘High-risk learning: acquiring new word vectors from tiny data’, *Proceedings of Conference on Empirical Methods in Natural Language Processing (EMNLP2017)*, Copenhagen, Denmark. (18% a.r.).
- 2017 Ravi Shekhar, Sandro Pezzelle, Yauhen Klimovich, **Aurélie Herbelot**, Moin Nabi, Enver Sangineto and Raffaella Bernardi, ‘FOIL it! Find One mismatch between Image and Language caption’, *Proceedings of*

- Proceedings of the 55th annual meeting of the Association for Computational Linguistics (ACL2017)*, Vancouver, Canada. (25% a.r.).
- 2017 Behrang QasemiZadeh, Laura Kallmeyer and **Aurélie Herbelot**, ‘Non-Negative Randomized Word Embeddings’, *Proceedings of Proceedings of the 24th conference ‘Traitement automatique des langues naturelles’ (TALN2017)*, Orléans, France.
- 2016 **Aurélie Herbelot** and Ekaterina Kochmar, ‘Calling on the classical phone: a distributional model of adjective-noun errors in learners’ English.’, *Proceedings of 26th International Conference on Computational Linguistics (COLING 2016)*, Osaka, Japan. (32% a.r.), pp. 976–986.
- 2016 Sebastian Padó, **Aurélie Herbelot**, Max Kisselew and Jan Snajder, ‘Predictability of Distributional Semantics in Derivational Word Formation’, *Proceedings of 26th International Conference on Computational Linguistics (COLING 2016)*, Osaka, Japan. (32% a.r.), pp. 1285–1296.
- 2016 **Aurélie Herbelot** and Behrang QasemiZadeh, ‘You and me... in a vector space: modelling individual speakers with distributional semantics.’, *Proceedings of 5th Joint Conference on Lexical and Computational Semantics (\*SEM)*, Berlin, Germany. (41% a.r.).
- 2016 Sandro Pezzelle, Ionut Sorodoc, **Aurélie Herbelot**, and Raffaella Bernardi, ‘Imparare a Quantificare Guardando’, *Proceedings of Proceedings of the Third Italian Conference on Computational Linguistics (CLiC-it 2016)*, Naples, Italy.
- 2016 Ionut Sorodoc, Angeliki Lazaridou, Gemma Boleda, **Aurélie Herbelot**, Sandro Pezzelle, and Raffaella Bernardi, ‘Look, some green circles!: Learning to quantify from images’, *Proceedings of Proceedings of the 5th Workshop on Vision and Language (collocated with ACL2016)*, Berlin, Germany.
- 2016 **Aurélie Herbelot**, ‘PeARS: a Peer-to-peer Agent for Reciprocated Search’, *Proceedings of 25th International World Wide Web Conference*, Montreal, Canada. (40% a.r.).
- 2015 **Aurélie Herbelot** and Eva Maria Vecchi, ‘Building a true world: Mapping distributional to model-theoretic semantic spaces’, *Proceedings of Conference on Empirical Methods in Natural Language Processing (EMNLP2015)*, Lisbon, Portugal. (24% a.r.) **Honourable mention for best paper award - top 1% of 600 submissions.**
- 2015 **Aurélie Herbelot**, ‘Mr Darcy and Mr Toad, gentlemen: distributional names and their kinds’, *Proceedings of the 11th International Conference on Computational Semantics (IWCS 2015)*, London, UK. (36% a.r.).

- 2013 **Aurélie Herbelot** and Mohan Ganesalingam, ‘Measuring semantic content in distributional vectors’, *Proceedings of 51th Annual Meeting of the Association for Computational Linguistics (ACL2013)*, Sofia, Bulgaria. (24% a.r.).
- 2013 **Aurélie Herbelot**, ‘What is in a text, what isn’t, and what this has to do with lexical semantics’, *Proceedings of the International Conference on Computational Semantics (IWCS2013)*, Potsdam, Germany.
- 2012 **Aurélie Herbelot**, Eva von Redecker and Johanna Müller, ‘Distributional techniques for philosophical enquiry’, *Proceedings of the 6th Workshop on Language Technology for Cultural Heritage, Social Sciences, and Humanities, 13th Conference of the European Chapter of the Association for Computational Linguistics (EACL2012)*, Avignon, France, pp. 45–54.
- 2011 Ann Copestake and **Aurélie Herbelot**, ‘Exciting and interesting: issues in the generation of binomials’, *Proceedings of UCNLG+Eval: Language Generation and Evaluation Workshop, Conference on Empirical Methods in Natural Language Processing (EMNLP2011)*, Edinburgh, UK.
- 2011 **Aurélie Herbelot** and Ann Copestake, ‘Formalising and specifying underquantification’, *Proceedings of the International Conference on Computational Semantics (IWCS2011)*, Oxford, UK. (42% a.r.).
- 2010 **Aurélie Herbelot** and Ann Copestake, ‘Annotating underquantification’, *Proceedings of The Fourth Linguistic Annotation Workshop (LAW IV), 49th Annual Meeting of the Association for Computational Linguistics (ACL2010)*, Uppsala, Sweden.
- 2009 **Aurélie Herbelot**, ‘Finding Word Substitutions Using a Distributional Similarity Baseline and Immediate Context Overlap’, *Proceedings of Student session, 10th Conference of the European Chapter of the Association for Computational Linguistics (EACL2009)*, Athens, Greece. (29% a.r.).
- 2006 **Aurélie Herbelot** and Ann Copestake, ‘Acquiring Ontological Relationships from Wikipedia Using RMRS’, *Proceedings of Workshop on Web Content Mining with Human Language Technologies, 5th International Semantic Web Conference (ISWC2006)*, Athens, GA.

### Book articles

- 2015 Eugen Fischer, Paul Engelhardt and **Aurélie Herbelot**, ‘Intuitions and Illusions: From Explanation and Experiment to Assessment’, in *Method, Rationalism, and Naturalism. The Impact of Experimental Philosophy*, E. Fischer and J. Collins (eds.), London: Routledge, pp. 259–292.

- 2009 **Aurélie Herbelot** and Ann Copestake, ‘Annotating Genericity: How Do Humans Decide? (A Case Study in Ontology Extraction)’, in *The Fruits of Empirical Linguistics. Volume 1: Process*, Sam Featherston and Susanne Winkler (eds.), de Gruyter, Berlin, pp. 103–121.

### Conference & workshop presentations with peer-reviewed abstracts

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- 2015 Aurélie Herbelot and Eva von Redecker, ‘Brilliant philosophers: An ordinary language analysis of the philosophical gender’, *Proceedings of the workshop ‘Issues in applied analytic philosophy’*, Essen, Germany.
- 2015 Aurélie Herbelot, ‘Big data for small data: using statistical representations of meaning for the analysis of single utterances’, *Proceedings of the conference ‘Big Data in a Transdisciplinary Perspective’*, Hannover, Germany. **Best lightning talk award.**
- 2014 Aurélie Herbelot, ‘Distributional semantics for philosophy’, *Proceedings of the workshop ‘Empirical Methods of Linguistics in Philosophy’*, Dortmund, Germany. (28% a.r.).
- 2013 Aurélie Herbelot, ‘Philosophy of language and computational linguistics: a theoretical exchange’, *Proceedings of the conference ‘(Digital) Humanities Revisited – Challenges and Opportunities in the Digital Age’*, Hannover, Germany. (20% a.r.).
- 2010 Aurélie Herbelot and Ann Copestake, ‘Underquantification: an application to mass terms’, *Proceedings of the workshop ‘Empirical, Theoretical and Computational Approaches to Countability in Natural Language’*, Bochum, Germany.

### Editorial work

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- 2016 Gemma Boleda and Aurélie Herbelot (ed.), *Special Issue on ‘Formal distributional semantics’*, Computational Linguistics.
- 2013 Aurélie Herbelot, Roberto Zamparelli and Gemma Boleda (ed.), *Proceedings of the workshop ‘Towards a Formal Distributional Semantics’ (TFDS2013)*, International Conference on Computational Semantics (IWCS2013).

### Keynotes at workshops and symposia

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- 6/2021 *For a truly semantic AI*, Tabu DAG, Groningen, the Netherlands.
- 5/2020 *Entities speed up the acquisition of semantics*, The GeCKo workshop: Integrating Generic and Contextual Knowledge, Barcelona, Spain.
- 8/2019 *Linguistic compositionality*, Lorentz Center workshop, ‘Compositionality in Brains and Machines’, Leiden, The Netherlands.
- 12/2018 *Colorless green ideas in Formal Distributional Semantics*, Workshop on Psycholinguistic and Computational Perspectives on Non-Compositional Meaning in Phrases, Tübingen, Germany.
- 10/2017 *Intelligence will be small: extracting meaning from tiny data*, The fifth Dutch National eScience Symposium, Amsterdam, Netherlands.
- 09/2017 *How to refer like a god: aligning speaker-dependent meaning through formal distributional representations*, BLGNLP: Building Linguistically-Generalizable NLP systems workshop, co-located with the 2017 Conference on Empirical Methods in Natural Language Processing (EMNLP2017) .
- 07/2017 *Alternative Methods in Experimental Philosophy: Beyond the Questionnaire*, Eyes as windows to mind: Psycholinguistics for philosophy, Norwich, UK.
- 08/2016 *Where do models come from?*, DSALT: Distributional Semantics and Linguistic Theory workshop, co-located with the 28th European Summer School in Logic, Language and Information (ESLLI 2016).

### **Invited talks at research institutions**

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- 07/2021 *Recurrent babbling: evaluating the acquisition of grammar from limited input data*, University of Düsseldorf, Germany.
- 11/2020 *Recurrent babbling: evaluating the acquisition of grammar from limited input data*, Norwegian University of Science and Technology, Norway..
- 10/2020 *Modelling the acquisition of linguistic competences from small data*, University of Cornell, USA.
- 10/2019 *Speaker dependence in Distributional Semantics*, University of Amsterdam, The Netherlands.
- 06/2019 *Speaker dependence in Distributional Semantics*, University of Utrecht, The Netherlands.
- 05/2018 *A formal distributional semantics for cognitively-plausible reference acts*, University of Toulouse, France.
- 11/2017 *Aligning speaker-dependent meaning through formal distributional representations*, University of Edinburgh, United Kingdom.

- 05/2017 *Ideal words: How to refer like a god*, University of Pisa, Italy.
- 03/2017 *Learning concepts and things from tiny data*, Queen Mary University London, United Kingdom.
- 10/2016 *Web search in an AI world: small, cute, distributed*, Computer Laboratory Wednesday Seminars, University of Cambridge, United Kingdom.
- 06/2016 *Underspecifying set-theoretic semantics with vector spaces*, University of Düsseldorf, Germany.
- 03/2016 *Entities in Formal Distributional Semantics*, University of Geneva, Switzerland.
- 03/2016 *Less logical than we think: a distributional interpretation of quantifiers*, University of Geneva, Switzerland.
- 06/2014 *Distributional semantics*, University of East Anglia, Norwich, UK.
- 05/2014 *The semantics of poetry: a distributional reading*, Center for Mind/Brain Sciences, University of Trento, Italy.
- 10/2013 *Denotation and distributions*, Conference ‘Language Sciences in the 21st Century: The interdisciplinary challenge’. University of Cambridge, UK.
- 06/2013 *Distributional semantics as concept representation*, Vrije Universiteit, Amsterdam, Netherlands.
- 04/2013 *Distributional semantics and meaning*, Freie Universität, Berlin, Germany.

### Presentations without associated publications

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- 2015 *Building a true world: mapping from distributional to set-theoretic vectors*, Korpuslinguistik Kolloquium, Humboldt Universität zu Berlin, Germany.
- 2014 *Distributional semantics: an introduction*, Korpuslinguistik Kolloquium, Humboldt Universität zu Berlin, Germany.
- 2014 *The semantic of poetry: a distributional reading*, Computer Laboratory, NLP seminar series. University of Cambridge, UK.
- 2012 *‘Deeper’ distributional semantics*, DELPH-IN meeting, Sofia, Bulgaria.
- 2012 *Quantification in distributional semantics*, Computerlinguistisches Kolloquium, Potsdam, Germany.
- 2010 *Underquantification: an application to mass terms*, Empirical, Theoretical and Computational Approaches to Countability in Natural Language, Bochum, Germany.
- 2010 *Underspecified quantification*, DELPH-IN meeting, Paris, France.

- 2009 *Improving the parsing of coordination in the Clark & Curran parser*, Several talks at the Johns Hopkins workshop, Baltimore, USA.
- 2007 *Extracting entailing words from small corpora for ontology building*, Computational Linguistics in the UK, Cambridge, UK.
- 2007 *Ontological clustering: battling with the concept of concept*, Flatlands meeting, Open University, London, UK.

## Chairing/Organising

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- 2020 Area chair for the 58th Annual Meeting of the Association for Computational Linguistics (ACL2020).
- 2019 Faculty advisor to the Student Research Workshop at the 57th Annual Meeting of the Association for Computational Linguistics (ACL2019).
- 2019 Area chair for the 6th Italian Conference on Computational Linguistics (CLIC-it) conference.
- 2018-2020 Co-organiser of SemEval-2019 and SemEval-2020 (the International Workshop on Semantic Evaluation).
- 2018 Area chair and member of the best paper awards committee for the 27th International Conference on Computational Linguistics (COLING 2018).
- 2017 Program co-chair for the 6th Joint Conference on Lexical and Computational Semantics (\*SEM 2017).
- 2015 Area chair for ‘Formal and linguistic semantics’ at the 4th Joint Conference on Lexical and Computational Semantics (\*SEM 2015).
- 2014-2015 Co-chair for *Language and Computation* at the 27th European Summer School in Logic, Language and Information (ESSLLI 2015) – the top international venue for the study of linguistics, logic and computation (48 courses and workshops in 2015).
- 2013 Instigator and co-chair of the workshop *Towards a formal distributional semantics*, co-located with the 10th International Conference on Computational Semantics (IWCS 2013), Potsdam, Germany. (With Roberto Zamparelli, University of Trento, and Gemma Boleda, University of Texas at Austin.)

## Reviewing

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**Journals:** Transactions of the Association for Computational Linguistics, Computational Linguistics, Cognitive Processing, Journal of Cognitive Science, Journal of Applied Logic, Language Resources and Evaluation, Natural Language Engineering, PeerJ.

**Conferences:** Association for Computational Linguistics (ACL, 2011-2019), European chapter of the ACL (EACL, 2012-2017), North American Chapter of the ACL (NAACL, 2012-2019), Conference on Empirical Methods in Natural Language Processing (EMNLP, 2013-2018), International Conference on Computational Linguistics (COLING, 2014-2018), International Conference on Computational Semantics (IWCS, 2015-2019), Joint Conference on Lexical and Computational Semantics (\*SEM, 2012-2018), International Joint Conference on Natural Language Processing (IJCNLP 2017), Meeting of the Society for Computation in Linguistics (SCiL 2018), Computability in Europe (CiE, 2012), Italian Conference on Computational Linguistics (CLIC-It, 2016-2018).

**Workshops:** Workshop on Natural Language and Computer Science (NLCS, 2019), Workshop on Shortcomings in Vision and Language (SiVL, 2018-2019), Web as Corpus workshop (WAC-XI, 2017), Workshop on Language Technology for Cultural Heritage, Social Sciences, and Humanities (LaTeCH, 2016-2017), Workshop on Linking Models of Lexical, Sentential and Discourse-level Semantics (LSDSem 2017), Uphill Battles in Natural Language Processing (UBLP, 2016), Workshop on Distributional Semantics and Linguistic Theory (DSALT 2016), Workshop on Distributional Data Semantics (DiDaS, 2012), Computational Linguistics in the UK (CLUK).

**Book proposals:** Cambridge University Press.

**Grant proposals:** Swiss National Science Foundation (Switzerland), Deutsche Forschungsgemeinschaft (DFG, Germany), Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO, Netherlands).

**Awards:** Best Paper Awards committee for the 27th International Conference on Computational Linguistics (COLING 2018); Beth dissertation award committee (2020).

## **Commissions of trust**

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2016-2019     Advisory board member on VICI grant 'Ideas at scale - Towards a computational history of ideas' (PI: Arianna Betti, University of Amsterdam). I remotely supervised a post-doctoral researcher (Jelke Bloem) on that project.