# Simon Dobnik

Curriculum vitae

October 7, 2023

## 1. Personal Information

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| Name: | Simon Dobnik |
| Date of birth: | 1977-07-19 |
| Academic title: | Professor of Computational Linguistics |
| ORCID | 0000-0002-4019-7966 |
| Contact: | Dept. of Philosophy, Linguistics and Theory of Science (FLOV) |
| | Centre for Linguistic Theory and Studies in Probability (CLASP) |
| | University of Gothenburg |
| | Box 200, SE 405 30 Göteborg, Sweden |
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| | Web: https://www.gu.se/en/about/find-staff/simondobnik |

## 2. Current position

2020-     Professor of Computational Linguistics. FLOV and CLASP, University of Gothenburg. Permanent appointment, 80% research, 20% teaching and administration. (20201008–)

## 3. Higher education qualifications

2000–2002     MPhil in General Linguistics (distinction), The Queen's College, Oxford University

1998–1999     Courses at Ruprecht-Karls-Universität Heidelberg, Germany

1996–2000     B.A. (hons), Modern Languages (General Linguistics and German), (M.A. awarded 2010), Lady Margaret Hall, Oxford University

## 4. Doctoral degree

2010     DPhil (=PhD) in Computational Linguistics, September 4, 2009, The Queen's College, Oxford University: "Teaching mobile robots to use spatial words", supervised by Stephen Pulman. Examiners: Mary Dalrymple (internal) and Ewan Klein (external)

## 5. Postdoctoral positions

2011–2013     FLOV and Centre for Language Technology (CLT), University of Gothenburg. Mentor: Robin Cooper.

## 6. Qualification required for appointment as a docent: 2015 (in Computational Linguistics)

## 7. Previous positions and periods of appointment

| | |
|---|---|
| 2015–2020 | Senior Lecturer in Computational Linguistics. FLOV, CLASP and CLT, University of Gothenburg. Permanent appointment, 80% research, 20% teaching and administration. (20150901–20201007) |
| 2013–2015 | Researcher. FLOV and CLT, University of Gothenburg. Fixed-term appointment, 70–80% research, 20–30% teaching and administration. (20130501–20150831) |
| 2011–2013 | Postdoctoral researcher. FLOV and CLT, University of Gothenburg. Fixed-term appointment, 80% research, 20% teaching (20110501–20130430). |
| 2010 | Researcher. Department of Computer Science, Oxford University. The Companions (EC 6th Framework Integrated Project IST-34434) and SAPIENTA (with Maria Liakata) projects (20100201–20101231). |
| 2009 | IT assistant. Computing Services, Oxford University (20090901–20100131). |
| 2003 | Researcher. Department of Computer Science, University of York, UK. The EPRSC ROPA project (20030301–20030430). |
| 2002–2008 | Teaching assistant. Centre for Linguistics and Computing Laboratory, University of Oxford. Part-time (20021001–20081031). |
| 2001–2011 | Help-centre IT officer. Computing Services, Oxford University. Part-time (20010901–20110131). |

## 8. Interruption in research

Job-seeker: 110101–110430

## 9. Research supervision

| | |
|---|---|
| 2027 | Maria Irena Szawerna, doctoral student, co-supervisor, University of Gothenburg |
| 2026 | Ricardo Muñoz Sanchez, doctoral student, co-supervisor, University of Gothenburg |
| 2024 | Nikolai Ilinykh, doctoral student, main supervisor, University of Gothenburg |
| 2023 | Elham Alighardash, visiting doctoral student, University of Gothenburg |
| 2025 | Tewodros Gebreselassie, doctoral student, main supervisor, University of Gothenburg |
| 2020 | Mohammad Mehdi Ghanimifard, doctoral student, main supervisor, University of Gothenburg |
| 2019 | Wafia Adouane, doctoral student, main supervisor, University of Gothenburg |
| 2024 | Axel Almquist, doctoral student, co-supervisor, University of Gothenburg |
| 2022 | Chatrine Qwaider (Kathrein Abu Kwaik), doctoral student, co-supervisor, University of Gothenburg |
| 2017 | Karin Cavallin, doctoral student, co-supervisor, University of Gothenburg |
| 2020 | Maryam Rajestari, visiting research student, Saarland University, Germany |
| – | 27 masters students, main supervisor, University of Gothenburg |

## 10. Teaching

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| 2015– | Courses for a Doctoral Degree in Computational Linguistics, FLOV, University of Gothenburg |
| 2021 | Natural Language Processing module for the AI and Professions online course (MOOC), SAID, University of Gothenburg (2021-08-30) |

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| 2019 | ESSLLI-2019 course "Language, Action and Perception (APL-ESSLLI) with John D. Kelleher and Mehdi Ghanimifard at 31st European Summer School in Logic, Language and Information (ESSLLI- 2019), 12–16 August, University of Latvia, Riga, Latvia. |
| 2010– | Courses and thesis supervision in natural language processing within Masters in Language Technology (MLT) at FLOV, University of Gothenburg; currently responsible for Computational semantics (LT2213) and AI Cognitive Systems (LT2318). |
| 2002-2005 | Courses and tutorials in linguistics and computational linguistics at Centre for Linguistics and Philology and Computing Laboratory (now Computer Science), University of Oxford |

## 11. Institutional responsibilities

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|---|---|
| 2015- | Leader of the Cognitive Systems Research Group (Cosy), CLASP, University of Gothenburg |
| 2021– | Director of Studies for Doctoral Programmes (Studierektor for forskarutbildning) at FLOV, University of Gothenburg |
| 2020–2021 | Representative for Work Environment (AMO), FLOV, University of Gothenburg |
| 2013– | Member of the Programme Committee for Masters in Language Technology (MLT), FLOV, University of Gothenburg; Chair (=programme director) in 2013–2015, 2019 |
| 2018–2023 | Completed courses in research leadership (2018–2019) and institutional leadership (2022–2023), University of Gothenburg |
| 2018–2021 | Member of the Department Council (Institutionsrådet, IR), FLOV, University of Gothenburg |
| 2013–2015 | Research Coordinator of CLASP, FLOV, University of Gothenburg |
| 2013–2015 | Research Coordinator for Research in Linguistics (including Computational Linguistics), FLOV, University of Gothenburg |

## 12. Grants

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|---|---|
| 2023-2028 | Grandma Karl is 27 years old: Automatic pseudonymisation of research data, Vetenskapsrådet, research environment, participating researcher, 17 627 tkr |
| 2021–2023 | Skandibot, Nordplus, research project, participating researcher, 735 tkr |
| 2016–2019 | Linguistic and extra-linguistic parameters for early detection of cognitive impairment, Riksbanken jubileumsfond, research project, participating researcher, 10 460 tkr |
| 2015-2025 | Centre for Linguistic Theory and Studies in Probability (CLASP), Vetenskapsrådet and University of Gothenburg, research centre, participating researcher, 164 000 tkr + 109 000 tkr |
| 2014–2016 | Networks and Types, Vetenskapsrådet, research project, participating researcher, 2 520 tkr |

## 13. Merits

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|---|---|
| 2015–2025 | Member of the steering committee of CLASP, University of Gothenburg |
| 2022-2024 | Member of the advisory board (styrgrupp) of Nationella språkbanken, national research infrastructure |

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| 2019– | Member of the coordination group for Artificial Intelligence and Digitalisation at University of Gothenburg (Samordningsgrupp för AI och digitalisering) (SAID), University of Gothenburg |
| 2019–2025 | Member of the steering committee of the Centre for Digital Humanities (Centrum för digital humanioras) (CDH) at University of Gothenburg |
| – | Organised 27 international academic conferences and workshops |
| – | Standing reviewer for ACL (Association for Computational Linguistics) conferences (e.g. ACL, NAACL, EACL, CoNLL, EMNLP, Coling, IWCS), AI conferences (IJCAI, AAAI) and others (LREC, Interspeech) and associated journals |
| – | Grant proposal reviewer for Canada Research Chairs and Dutch Research Council (NWO) |
| – | Grading committee member of several doctoral students |

## Publications

https://gup.ub.gu.se/publications/list?person_id=165694

https://scholar.google.com/citations?user=Ie41FMAAAAAJ

*Peer-reviewed books and book chapters*

1. Simon Dobnik. 2009. *Teaching mobile robots to use spatial words*. Ph.D. thesis, University of Oxford: Faculty of Linguistics, Philology and Phonetics and The Queen's College, Oxford, United Kingdom.

*Peer-reviewed original articles*

2. John D. Kelleher and Simon Dobnik. 2022. Distributional semantics for situated spatial language? Functional, geometric and perceptual perspectives. In *Probabilistic Approaches to Linguistic Theory*, CSLI Publications, pages 319–356, Stanford university, Stanford, California, USA. Center for the Study of Language and Information, The University of Chicago Press.

3. Dana Dannélls, Tiago Timponi Torrent, Natalia Sathler Sigiliano, and Simon Dobnik. 2022. Beyond strings of characters: Resources meet nlp – again. In *LIVE and LEARN - Festschrift in honor of Lars Borin*, volume GU-ISS-2022-03 of *Research Reports from the Department of Swedish, Multilingualism, Language Technology*, pages 29–36, Gothenburg, Sweden. University of Gothenburg.

4. Nikolai Ilinykh and Simon Dobnik. 2021b. What does a language-and-vision transformer see: The impact of semantic information on visual representations. *Frontiers in Artificial Intelligence: Identifying, Analyzing, and Overcoming Challenges in Vision and Language Research*, 4(767971):182–203.

5. Maryam Rajestari, Simon Dobnik, Robin Cooper, and Aram Karimi. 2021. Very necessary: the meaning of non-gradable modal adjectives in discourse contexts. In *Selected contributions from the Eighth Swedish Language Technology Conference (SLTC-2020), 25-27 November 2020*, volume 184 of *NEALT Proceedings Series, No. XX*, pages 50–58, Linköping, Sweden. Northern European Association for Language Technology (NEALT), Linköping University Electronic Press: Linköping Electronic Conference Proceedings.

6. Simon Dobnik and Robin Cooper. 2017. Interfacing language, spatial perception and cognition in Type Theory with Records. *Journal of Language Modelling*, 5(2):273–301.

7. Simon Dobnik and Robin Cooper. 2016. Restructuring restructuring. In Franc Lanko Marušič and Rok Žaucer, editors, *Formal Studies in Slovenian Syntax: In honor of Janez Orešnik*, number 236 in Linguistik Aktuell/Linguistics Today (LA), pages 69–89. John Benjamins, Amsterdam, The Netherlands.

8. Robin Cooper, Simon Dobnik, Shalom Lappin, and Staffan Larsson. 2015. Probabilistic type theory and natural language semantics. *Linguistic Issues in Language Technology — LiLT*, 10(4):1–43.

9. Simon Dobnik, Robin Cooper, and Staffan Larsson. 2013a. Modelling language, action, and perception in Type Theory with Records. In Denys Duchier and Yannick Parmentier, editors, *Constraint Solving and Language Processing: 7th International Workshop, CSLP 2012, Orléans, France, September 13–14, 2012, Revised Selected Papers*, volume 8114 of *Lecture Notes in Computer Science*, pages 70–91. Springer Berlin Heidelberg.

10. Maria Liakata, Shyamasree Saha, Simon Dobnik, Colin Batchelor, and Dietrich Rebholz-Schuhmann. 2012. Automatic recognition of conceptualization zones in scientific articles and two life science applications. *Bioinformatics*, 28(7):991–1000.

11. Cameron Smith, Nigel Crook, Simon Dobnik, Daniel Charlton, Johan Boye, Stephen Pulman, Raul Santos de la Camara, Markku Turunen, David Benyon, Jay Bradley, Björn Gambäck, Preben Hansen, Oli Mival, Nick Webb, and Marc Cavazza. 2011. Interaction strategies for an affective conversational agent. *Presence: Teleoperators and Virtual Environments*, 20(5):395–411.

12. Dimitar Kazakov and Simon Dobnik. 2003. Inductive learning of lexical semantics with typed unification grammars. In Esther Grabe and David G. S. Wright, editors, *Topics in Phonetics and Computational Linguistics*, volume 8 of *Oxford Working Papers in Linguistics, Philology and Phonetics*, pages 113–133. Committee for General Linguistics and Comparative Philology, Oxford, United Kingdom.

*Peer-reviewed conference contributions*

13. Nikolai Ilinykh and Simon Dobnik. 2023a. Context matters: evaluation of target and context features on variation of object naming. In *Proceedings of Linguistic Insights from and for Multimodal Language Processing (LIMO 2023) at KONVENS23*, pages 1–13, Ingolstadt, Germany. KONVENS (Konferenz zur Verarbeitung natürlicher Sprache / Conference on Natural Language Processing)

14. Nikolai Ilinykh and Simon Dobnik. 2023b. The VDG challenge: Response generation and evaluation in collaborative visual dialogue. In *Proceedings of the 16th International Conference on Natural Language Generation: Generation Challenges*, pages 1–8, Prague, Czech Republic. Association for Computational Linguistics.

15. Ekaterina Voloshina, Nikolai Ilinykh, and Simon Dobnik. 2023. Are language-and-vision transformers sensitive to discourse? a case study of vilbert. In *Proceedings of the Workshop on Multimodal, Multilingual Natural Language Generation at the 16th International Conference on Natural Language Generation (INLG-2023)*, pages 1–11, Prague, Czech Republic. Association for Computational Linguistics

16. Simon Dobnik and John D. Kelleher. 2023. On the role of resources in the age of large language models. In *Proceedings of the 2023 CLASP Conference on Learning with Small Data (LSD)*, pages 191–197, Gothenburg, Sweden. Association for Computational Linguistics

17. Dominik Künkele and Simon Dobnik. 2023. Referring as a collaborative process: learning to ground language through language games. In *Proceedings of MariLogue – Semdial 2023: The 27th Workshop on the Semantics and Pragmatics of Dialogue*, pages 156–158, Maribor, Slovenia. University of Maribor, Faculty of Eelectrical Engineering and Computer Science

18. Elena Volodina, Simon Dobnik, Therese Lindström Tiedemann, and Xuan-Son Vu. 2023. Grandma karl is 27 years old – research agenda for pseudonymization of research data. In *Proceedings of the IEEE Ninth International Conference on Big Data Computing Service and Applications (BigDataService), special session on Big Data and Machine Learning with Privacy Enhancing Tech*, pages 229–233, Athens, Greece. The Institute of Electrical and Electronics Engineers, Inc., IEEE Computer Society

19. Simon Dobnik, Robin Cooper, Adam Ek, Bill Noble, Staffan Larsson, Nikolai Ilinykh, Vladislav Maraev, and Vidya Somashekarappa. 2022a. In search of meaning and its representations for computational linguistics. In *Proceedings of the 2022 CLASP Conference on (Dis)embodiment*, pages 30–44, Gothenburg, Sweden. Association for Computational Linguistics.

20. Simon Dobnik, Nikolai Ilinykh, and Aram Karimi. 2022c. What to refer to and when? reference and re-reference in two language-and-vision tasks. In *Proceedings of DubDial - Semdial 2022: The 26th Workshop on the Semantics and Pragmatics of Dialogue*, Proceedings (SemDial), pages 146–159, Dublin, Ireland.

21. Simon Dobnik and Aram Karimi. 2022. Chat-o-matic: an online chat tool for collecting conversations of situated dialogue. In *Proceedings of DubDial - Semdial 2022: The 26th Workshop on the Semantics and Pragmatics of Dialogue – Poster Abstracts*, Proceedings (SemDial), pages 1–3, Dublin, Ireland.

22. Nikolai Ilinykh and Simon Dobnik. 2022a. Attention as grounding: Exploring textual and cross-modal attention on entities and relations in language-and-vision transformer. In *Findings of the Association for Computational Linguistics: ACL 2022*, pages 4062–4073, Dublin, Ireland. Association for Computational Linguistics.

23. Nikolai Ilinykh, Rafal Černiavski, Eva Elžbieta Sventickaitė, Viktorija Buzaitė, and Simon Dobnik. 2022a. Examining the effects of language-and-vision data augmentation for generation of descriptions of human faces. In *Proceedings of the 2nd Workshop on People in Vision, Language, and the Mind (P-VLAM 2022) at LREC 2022*, pages 26–40, Marseille, France. European Language Resources Association.

24. Nikolai Ilinykh and Simon Dobnik. 2022b. Do decoding algorithms capture discourse structure in multi-modal tasks? A case study of image paragraph generation. In *Proceedings of the 2nd Workshop on Natural Language Generation, Evaluation, and Metrics (GEM)*, pages 480–493, Abu Dhabi, United Arab Emirates. Association for Computational Linguistics.

25. Nikolai Ilinykh and Simon Dobnik. 2022c. Hallucinate or ground: how general or specific are object descriptions generated by a vision-and-language transformer? In *Proceedings of the 9th Swedish Language Technology Conference (SLTC)*, pages 1–6, Stockholm, Sweden. The division of Speech, Music & Hearing and Språkbanken Tal, KTH Royal Institute of Technology.

26. Nikolai Ilinykh, Yasmeen Emampoor, and Simon Dobnik. 2022b. Look and answer the question: On the role of vision in embodied question answering. In *Proceedings of the 15th International Conference on Natural Language Generation*, pages 236–245, Waterville, Maine, USA and virtual meeting. Association for Computational Linguistics.

27. Sharid Loáiciga, Simon Dobnik, and David Schlangen. 2022. Anaphoric phenomena in situated dialog: A first round of annotations. In *Proceedings of the Fifth Workshop on Computational Models of Reference, Anaphora and Coreference (CRAC)*, pages 31–37, Gyeongju, Republic of Korea. Association for Computational Linguistics.

28. Kathrein Abu Kwaik, Stergios Chatzikyriakidis, and Simon Dobnik. 2022. Pre-trained models or feature engineering: The case of dialectal Arabic. In *Proceedinsg of the 5th Workshop on Open-Source Arabic Corpora and Processing Tools with Shared Tasks on Qur'an QA and Fine-Grained Hate Speech Detection (OSACT) at LREC 2022*, pages 41–50, Marseille, France. European Language Resources Association.

29. Eirini Amanaki, Jean-Philippe Bernardy, Stergios Chatzikyriakidis, Robin Cooper, Simon Dobnik, Aram Karimi, Adam Ek, Eirini Chrysovalantou Giannikouri, Vasiliki Katsouli, Ilias Kolokousis, Eirini Chrysovalantou Mamatzaki, Dimitrios Papadakis, Olga Petrova, Erofili Psaltaki, Charikleia Soupiona, Effrosyni Skoulataki, and Christina Stefanidou. 2022. Fine-grained entailment: Resources for Greek NLI and precise entailment. In *Proceedings of the 1st Workshop on Dataset Creation for Lower-Resourced Languages (DCLRL) at LREC 2022*, pages 44–52, Marseille, France. European Language Resources Association.

30. Simon Dobnik and Vera Silfversparre. 2021. The red cup on the left: Reference, coreference and attention in visual dialogue. In *Proceedings of PotsDial - Semdial 2021: The 25th Workshop on the Semantics and Pragmatics of Dialogue*, Proceedings (SemDial), pages 50–60, Potsdam, Germany.

31. Nikolai Ilinykh and Simon Dobnik. 2021a. How vision affects language: Comparing masked self-attention in uni-modal and multi-modal transformer. In *Proceedings of the 1st Workshop on Multimodal Semantic Representations (MMSR) at IWCS 2021*, pages 45–55, Groningen, Netherlands (Online). Association for Computational Linguistics.

32. Sharid Loáiciga, Simon Dobnik, and David Schlangen. 2021b. Reference and coreference in situated dialogue. In *Proceedings of the Second Workshop on Advances in Language and Vision Research (ALVR-2021) at NAACL-HLT 2021*, pages 39–44, Mexico City, Mexico (Online). Association for Computational Linguistics.

33. Sharid Loáiciga, Simon Dobnik, and David Schlangen. 2021a. Annotating anaphoric phenomena in situated dialogue. In *Proceedings of the 1st Workshop on Multimodal Semantic Representations (MMSR) at IWCS 2021*, pages 78–88, Groningen, Netherlands (Online). Association for Computational Linguistics.

34. Simon Dobnik and Mehdi Ghanimifard. 2020. Spatial descriptions on a functional-geometric spectrum: the location of objects. In *Spatial Cognition XII: Proceedings of the 12th International Conference, Spatial Cognition 2020, Riga, Latvia*, pages 219–234, Cham, Switzerland. Springer International Publishing.

35. Simon Dobnik, John D. Kelleher, and Christine Howes. 2020. Local alignment of frame of reference assignment in English and Swedish dialogue. In *Spatial Cognition XII: Proceedings of the 12th International Conference, Spatial Cognition 2020, Riga, Latvia*, pages 251–267, Cham, Switzerland. Springer International Publishing.

36. Nikolai Ilinykh and Simon Dobnik. 2020. When an image tells a story: The role of visual and semantic information for generating paragraph descriptions. In *Proceedings of the 13th International Conference on Natural Language Generation*, pages 338–348, Dublin, Ireland. Association for Computational Linguistics.

37. José Miguel Cano Santín, Simon Dobnik, and Mehdi Ghanimifard. 2020. Fast visual grounding in interaction: bringing few-shot learning with neural networks to an interactive robot. In *Proceedings of Conference on Probability and Meaning (PaM-2020), Gothenburg, Sweden*, pages 1–9, Gothenburg, Sweden. Association for Computational Linguistics (ACL), Special Interest Group on Computational Semantics (SIGSEM).

38. Magdalena Sandahl, Simon Dobnik, and Mehdi Ghanimifard. 2020. A corpus of Swedish conversations with a librarian. In *Proceedings of WatchDial - Semdial 2020: The 24the Workshop on the Semantics and Pragmatics of Dialogue*, pages 1–3, Waltham, MA. Brandeis University.

39. Linnea Strand, Robert Rhys Thomas, Simon Dobnik, and Mehdi Ghanimifard. 2020. Topic modelling for a virtual librarian assistant tool. In *Proceedings of WatchDial - Semdial 2020: The 24the Workshop on the Semantics and Pragmatics of Dialogue*, pages 1–4, Waltham, MA. Brandeis University.

40. Yuri Bizzoni and Simon Dobnik. 2020. Sky + fire = sunset. exploring parallels between visually grounded metaphors and image classifiers. In *Proceedings of the Second Workshop on Figurative Language Processing (FLP) at ACL-2020*, pages 126–135, Online. Association for Computational Linguistics.

41. Kathrein Abu Kwaik, Stergios Chatzikyriakidis, Simon Dobnik, Motaz Saad, and Richard Johansson. 2020. An Arabic tweets sentiment analysis dataset (ATSAD) using distant supervision and self training. In *Proceedings of the 4th Workshop on Open-Source Arabic Corpora and Processing Tools with a Shared Task on Offensive Language Detection (OSACT4-2020) at Language Resources and Evaluation Conference (LREC 2020)*, pages 1–8, Marseille, France. European Language Resources Association (ELRA).

42. John D. Kelleher and Simon Dobnik. 2020. Referring to the recently seen: reference and perceptual memory in situated dialogue. In Howes et al. (2020), pages 41–50.

43. Mehdi Ghanimifard and Simon Dobnik. 2019b. What goes into a word: generating image descriptions with top-down spatial knowledge. In *Proceedings of the 12th International Conference on Natural Language Generation (INLG-2019)*, pages 1–15, Tokyo, Japan. Association for Computational Linguistics.

44. Wafia Adouane, Jean-Philippe Bernardy, and Simon Dobnik. 2019b. Normalising non-standardised orthography in Algerian code-switched user-generated data. In *Proceedings of The 5th Workshop on Noisy User-generated Text (W-NUT) at EMNLP 2019*, pages 1–10, Hong Kong. Ritter, Alan and Xu, Wei and Baldwin, Tim and Rahimi, Afshin.

45. Kathrein Abu Kwaik, Motaz Saad, Stergios Chatzikyriakidis, and Simon Dobnik. 2019b. LSTM-CNN deep learning model for sentiment analysis of dialectal Arabic. In *Proceedings of ICALP'19: The 7th International Conference on Arabic Language Processing*, Communications in Computer and Information Science (CCIS), pages 1–14, Nancy, France. Springer.

46. José Miguel Cano Santín, Simon Dobnik, and Mehdi Ghanimifard. 2019. Interactive visual grounding with neural networks. In *Proceedings of LondonLogue – Semdial 2019: The 23rd Workshop on the Semantics and Pragmatics of Dialogue*, pages 1–3, London, UK. Queen Mary University of London.

47. Wafia Adouane, Jean-Philippe Bernardy, and Simon Dobnik. 2019a. Neural models for detecting binary semantic textual similarity for Algerian and MSA. In *Proceedings of the Fourth Arabic Natural Language Processing Workshop WANLP 2019 at ACL-2019*, pages 78–87, Florence, Italy. Association for Computational Linguistics.

48. Kathrein Abu Kwaik, Stergios Chatzikyriakidis, and Simon Dobnik. 2019a. Can modern standard Arabic approaches be used for Arabic dialects? Sentiment analysis as a case study. In *Proceedings of the 3rd Workshop on Arabic Corpus Linguistics (WACL-3)*, pages 40–50, Cardiff, United Kingdom. Association for Computational Linguistics.

49. Mehdi Ghanimifard and Simon Dobnik. 2019a. What a neural language model tells us about spatial relations. In *Proceedings of the Combined Workshop on Spatial Language Understanding (SpLU) and Grounded Communication for Robotics (RoboNLP)*, pages 71–81, Minneapolis, Minnesota, USA. North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT 2019), Association for Computational Linguistics.

50. Arild Matsson, Simon Dobnik, and Staffan Larsson. 2019. ImageTTR: Grounding Type Theory with Records in image classification for visual question answering. In *Proceedings of the IWCS 2019 Workshop on Computing Semantics with Types, Frames and Related Structures*, pages 55–64, Gothenburg, Sweden. Association for Computational Linguistics.

51. Simon Dobnik and Sharid Loáiciga. 2018. On visual coreference chains resolution. In *Extended astracts of the Seventh Swedish Language Technology Conference (SLTC-2018)*, pages 1–4, Stockholm, Sweden.

52. Simon Dobnik and Axel Storckenfeldt. 2018. Categorisation of conversational games in free dialogue over spatial scenes. In *Proceedings of AixDial – Semdial 2018: The 22st Workshop on the Semantics and Pragmatics of Dialogue*, pages 1–3, Aix-en-Provence, France.

53. Mehdi Ghanimifard and Simon Dobnik. 2018a. Knowing when to look for what and where: Evaluating generation of spatial descriptions with adaptive attention. In *Computer Vision – ECCV 2018 Workshops. ECCV 2018*, volume 11132 of *Lecture Notes in Computer Science (LNCS)*, pages 1–9, Proceedings of the Workshop on Shortcomings in Vision and Language (SiVL), ECCV 2018, Munich, Germany. Springer, Cham.

54. Mehdi Ghanimifard and Simon Dobnik. 2018b. Visual grounding of spatial relations in recurrent neural language models. In Thrash et al. (2018), pages 1–7.

55. Kathrein Abu Kwaik, Motaz Saad, Stergios Chatzikyriakidis, and Simon Dobnik. 2018a. A lexical distance study of Arabic dialects. *Procedia Computer Science 142: Proceedings of the 4th International Conference on Arabic Computational Linguistics (ACLing 2018)*, 142:2–13.

56. Wafia Adouane, Jean-Philippe Bernardy, and Simon Dobnik. 2018a. Improving neural network performance by injecting background knowledge: Detecting code-switching and borrowing in Algerian texts. In *Proceedings of the Third Workshop on Computational Approaches to Linguistic Code-Switching at 56th Annual Meeting of the Association for Computational Linguistics (ACL-2018)*, pages 20–28, Melbourne, Australia. Association for Computational Linguistics.

57. Wafia Adouane, Simon Dobnik, Jean-Philippe Bernardy, and Nasredine Semmar. 2018b. A comparison of character neural language model and bootstrapping for language identification in multilingual noisy texts. In *Proceedings of the Second Workshop on Subword and Character Level Models in NLP (SCLeM) at 16th Annual Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT 2018)*, pages 1–10, New Orleans, Louisiana, USA. Association for Computational Linguistics.

58. Simon Dobnik, Mehdi Ghanimifard, and John D. Kelleher. 2018. Exploring the functional and geometric bias of spatial relations using neural language models. In *Proceedings of the First International Workshop on Spatial Language Understanding (SpLU 2018) at NAACL-HLT 2018*, pages 1–11, New Orleans, Louisiana, USA. Association for Computational Linguistics.

59. Kathrein Abu Kwaik, Motaz Saad, Stergios Chatzikyriakidis, and Simon Dobnik. 2018b. Shami: a corpus of Levantine Arabic dialects. In *Proceedings of LREC 2018, 11th International Conference on Language Resources and Evaluation*, pages 1–8, Phoenix Seagaia Conference Center, Miyazaki, Japan. European Language Resources Association (ELRA).

60. Simon Dobnik and John D. Kelleher. 2017. Modular mechanistic networks: On bridging mechanistic and phenomenological models with deep neural networks in natural language processing. In Dobnik and Lappin (2017), pages 1–11.

61. John D. Kelleher and Simon Dobnik. 2017. What is not where: the challenge of integrating spatial representations into deep learning architectures. In Dobnik and Lappin (2017), pages 41–52.

62. Mehdi Ghanimifard and Simon Dobnik. 2017. Learning to compose spatial relations with grounded neural language models. In *Proceedings of IWCS 2017: 12th International Conference on Computational Semantics*, pages 1–12, Montpellier, France. Association for Computational Linguistics.

63. Stergios Chatzikyriakidis, Robin Cooper, Simon Dobnik, and Staffan Larsson. 2017. An overview of natural language inference data collection: The way forward? In *Proceedings of IWCS 2017: 12th International Conference on Computational Semantics, Workshop on Computing Natural Language Inference*, pages 1–6, Montpellier, France. Association for Computational Linguistics.

64. Simon Dobnik and Amelie Åstbom. 2017. (Perceptual) grounding as interaction. In *Proceedings of Saardial – Semdial 2017: The 21st Workshop on the Semantics and Pragmatics of Dialogue*, pages 17–26, Saarbrücken, Germany.

65. Simon Dobnik and Erik de Graaf. 2017b. KILLE: learning grounded language through interaction. In *Proceedings of the Workshop on Formal Approaches to the Dynamics of Linguistic Interaction 2017 co-located within the European Summer School on Logic, Language and Information (ESSLLI 2017)*, volume 1863, pages 12–16, Toulouse, France. CEUR-WS.org, urn:nbn:de:0074-1863-7, http://ceur-ws.org/Vol-1863/paper_11.pdf.

66. Simon Dobnik and Erik de Graaf. 2017a. KILLE: a framework for situated agents for learning language through interaction. In *Proceedings of the 21st Nordic Conference on Computational Linguistics (NoDaLiDa)*, pages 162–171, Gothenburg, Sweden. Northern European Association for Language Technology (NEALT), Association for Computational Linguistics.

67. Wafia Adouane and Simon Dobnik. 2017. Identification of languages in Algerian Arabic multilingual documents. In *Proceedings of The Third Arabic Natural Language Processing Workshop (WANLP)*, pages 1–8, Valenica, Spain. The European Chapter of the Association for Computational Linguistics (EACL), Association for Computational Linguistics.

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*Recent presentations*

110. Invited talk "Computational representation of meaning, quantum NLP and challenges for the future" at Quantum Natural Language Processing 2023, Compositional Models of Artificial Intelligence, and beyond! 16–17 May 2023, Gothenburg, Sweden. (2023-05-16)

111. Interview with the GU Journal on large language models and AI: Language models with a human touch. (2023-05-14)

112. Popular science presentation of language technology and AI at Vetenskapsrouletten, Vetenskapsfestivalen 2023. (2023-04-19)

113. Keynote "Neat and Scruffy: On Computational Generation and Interpretation of Spatial Descriptions" at The first International Workshop on Spatio-Temporal Reasoning and Learning 2022 at IJCAI-ECAI 2022, July 23-29, 2022, Messe Wien, Vienna, Austria. (2022-07-24)

114. Participated in the panel on AI in teaching at a WASP-ED workshop: Panelsamtal med lärare som redan integrerat AI i sin undervisning, moderator Tom Hillman. (2022-12-02)

115. Interview with the GU Journal about AI and SAID at University of Gothenburg "AI – more than computers and algorithms, Computers learn from us". (2022-05-05)

116. Participated in a Dagstuhl seminar "Representing and Solving Spatial Problems", Schloss Dagstuhl – Leibniz-Zentrum für Informatik, Dagstuhl, Germany and Online. (2021-12-06:10)