

Dr. Jonathan Dunn

Associate Professor
Department of Linguistics
University of Illinois, Urbana-Champaign

jedunn@illinois.edu
jdunn.name
earthLings.io
github.com/jonathandunn

Specialization

Computational Linguistics; Cognitive Linguistics; Computational Syntax; Computational Sociolinguistics

Overview

I am a computational linguist working to model both (i) the emergence of grammatical structure within individuals and (ii) variation in grammatical structure across individuals, populations, and registers. To support this research, I've developed large multi-lingual geographic corpora. My work has also examined the impact of linguistic variation on large language models.

Monographs

Dunn, J. (2026). *Syntactic Variation from Individuals to Populations: Language as a Complex System*. Elements in Construction Grammar. Cambridge University Press. [Manuscript](#).

Dunn, J. (2024). *Computational Construction Grammar: A Usage-Based Approach*. Elements in Cognitive Linguistics. Cambridge University Press. [Interactive Labs](#).

Dunn, J. (2022). *Natural Language Processing for Corpus Linguistics*. Elements in Corpus Linguistics. Cambridge University Press. [Interactive Labs](#)
Reviews: *Natural Language Engineering*, *Corpus Pragmatics*, *Int'l Journal of Corpus Linguistics*

Appointments held

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| 2024– | Associate Professor in Linguistics, University of Illinois Urbana-Champaign |
| 2023–2023 | Senior Lecturer Above the Bar in Linguistics, University of Canterbury (NZ) |
| 2021–2022 | Senior Lecturer in Linguistics, University of Canterbury (NZ) |
| 2018–2020 | Lecturer in Linguistics, University of Canterbury (NZ) |
| 2015–2018 | Research Assistant Professor in Computer Science, Illinois Institute of Technology |
| 2015–2018 | Visiting Scientist, National Geospatial-Intelligence Agency |
| 2014–2015 | Post-Doc in Computer Science, Illinois Institute of Technology |

Education

- 2013 PhD, Purdue University
Dissertation: *Automatic Identification of Metaphoric Utterances*
Advisor: Victor Raskin
- 2010 MA, Purdue University
Thesis: *Towards a Computational Model of Metaphor*
Advisor: Victor Raskin
- 2008 BA, Classics, Hillsdale College

MOOCs on edX

Now over 14,000 students

Text Analytics 1: Introducing Natural Language Processing

Text Analytics 2: Visualizing Natural Language Processing

Leadership and Visiting Positions

- 2024- Director of Undergraduate Studies, Department of Linguistics, University of Illinois
- 2025 Faculty, LSA Linguistic Institute, University of Oregon
- 2021-2023 Theme Leader at the New Zealand Institute for Language, Brain and Behaviour
- 2022 Visiting Scholar at the Center for Spatial Data Science, University of Chicago
- 2015 Faculty, LSA Linguistic Institute, University of Chicago

Major Funding

- 2024-2027 Marsden Fund Standard Grant (NZL)
Does Machine-Assisted Writing Erase Linguistic Diversity?
Co-PI: \$660,000 (NZD)
- 2020-2022 Science for Technological Innovation, National Science Challenges, MBIE (NZL)
Domain Adaptation to Support Polynesian Language Technology
PI: \$200,000 (NZD)
- 2015-2018 Visiting Scientist Research Fellowship, Oak Ridge Institute for Science and Education
Geolinguistics
PI: Approx. \$500,000 (USD)

Awards and Other Funding

- 2025 BRIDGE Seed Fund
University of Illinois and University of Birmingham
Co-PI, Prof. Jack Grieve, Birmingham
Award: \$6,500 USD and £6,500 GBP
- 2023 Early Career Research Award in Humanities, Social Sciences or Creative Arts
Faculty of Arts, University of Canterbury
Award: \$2,000 (NZD)
- 2021 Early Career Researcher Development Fund, University of Canterbury
Towards Equitable Language Models
Grant: \$5,000 (NZD)

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|-----------|---|
| 2020 | Teaching Development Grant, University of Canterbury <i>Syntactic Annotations for Māori Corpora</i> Grant with Jeanette King: \$5,000 (NZD) |
| 2019 | Support Grant, University of Canterbury <i>Automating Tourist Profiles By Integrating Spatial and Textual Artificial Intelligence</i> Grant with Ben Adams and Girish Prayag: \$5,000 |
| 2017 | Certificate of Merit, Oak Ridge Institute for Science and Education Award: \$3,000 (USD) |
| 2014-2015 | IC Postdoctoral Research Fellowship, Office of the Director of National Intelligence <i>Computational Cognitive Stylistics For Multi-Modal Identity Analytics</i> |
| 2013 | Bilsland Dissertation Fellowship, Purdue University Graduate School <i>Automated Identification of Metaphoric Utterances</i> |
| 2011-2012 | Bilsland Strategic Initiatives Grant, Purdue University Graduate School <i>Evaluating Cross-Listed Graduate Courses</i> |

Papers

My research is situated at intersection between linguistics and natural language processing. Thus, I have published widely in both fields. Here I am distinguishing between [NLP proceedings](#) and [linguistics journals](#) for convenience. Both represent peer-reviewed publications.

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| In Press | <ol style="list-style-type: none"> 1. Dunn, J. (in press). "Diffusion Across the Grammar: Complexity in Areal Interactions Between Dialects of English" in Enrique-Arias, A., C. De Benito Moreno and F. Del Barrio De La Rosa (eds.) <i>The Spatial Diffusion of Linguistic Changes: New Methods and Theoretical Perspectives</i>. Berlin: De Gruyter. Studies in Language Change 26. 2. Morin, C.; Coats, S.; & Dunn, J. (in press). "How register and region shape the language network: Evidence from Computational Construction Grammar." <i>Constructions</i>. 3. Dunn, J. (in press). "Association Measures." In the <i>International Encyclopedia of Language and Linguistics</i>, 3rd Edition. Elsevier. 4. Dunn, J. (in press). "Cognition and Computation." In the <i>Handbook of Cognitive Linguistics</i>. Bloomsbury. |
| 2025 | <ol style="list-style-type: none"> 5. Dunn, J. & Wong, S. (2025). "Language Contact and Population Contact As Sources of Dialect Similarity." <i>Languages</i>, 10(8), 188. https://doi.org/10.3390/languages10080188. 6. Anand, G., & Dunn, J. (2025). "Mapping Semantic Domains Across India's Social Media: Networks, Geography, and Social Factors." In <i>Proceedings of the International Conference on Computational Semantics</i>. Association for Computational Linguistics. 307-320. Link. 7. Dunn, J. & Eida, M. (2025). "LLMs Learn Constructions That Humans Do Not Know." In <i>Proceedings of the Second International Workshop on Construction Grammars and NLP</i>. Association for Computational Linguistics. 13-23. Link. |
| 2024 | <ol style="list-style-type: none"> 8. Dunn, J.; Adams, B.; & Tayyar Madabushi, H. (2024). "Pre-Trained Language Models Represent Some Geographic Populations Better Than Others." In <i>Proceedings of the</i> |

Joint International Conference on Computational Linguistics, Language Resources and Evaluation, LREC/COLING. 12966–12976.
([Top 10 Venue in NLP](#)). [Link](#).

9. **Dunn, J.** & Edwards-Brown, L. (2024). "Geographically-Informed Language Identification." In *Proceedings of the Joint International Conference on Computational Linguistics, Language Resources and Evaluation*, LREC/COLING. 7672–7682.
([Top 10 Venue in NLP](#)) [Link](#).

10. **Dunn, J.** (2024). "Validating and Exploring Large Geographic Corpora." In *Proceedings of the Joint International Conference on Computational Linguistics, Language Resources and Evaluation*, LREC/COLING. 17348–17358.
([Top 10 Venue in NLP](#)). [Link](#).

11. Eida, M.; Nassar, M.; & **Dunn, J.** (2024). "How Well Do Tweets Represent Sub-Dialects of Egyptian Arabic?" In *Proceedings of the Eleventh Workshop on NLP for Similar Languages, Varieties, and Dialects*. Association for Computational Linguistics. 41-55. [Link](#).

2023

12. Li, H.; **Dunn, J.***; & Nini, A. (2023). "Register Variation Remains Stable Across 60 Languages." *Corpus Linguistics and Linguistic Theory*, 19(3): 397-426.
([Q1 Journal in Linguistics](#)). [Link](#). *Corresponding author.

13. **Dunn, J.** (2023). "Syntactic variation across the grammar: Modelling a complex adaptive system." *Frontiers in Complex Systems*. [DOI: 10.3389/fcpxs.2023.1273741](#).

14. **Dunn, J.** (2023). "Exploring the Constructicon: Linguistic Analysis of a Computational CxG." In *Proceedings of the First International Workshop on Construction Grammars and NLP*. Association for Computational Linguistics. [Link](#).

15. **Dunn, J.** (2023). "Variation and Instability in Dialect-Based Embedding Spaces." In *Proceedings of the Workshop on NLP for Similar Languages, Varieties and Dialects*. Association for Computational Linguistics.
([Workshop @ Top 10 Venue in NLP](#)). [Link](#).

16. Wong, S. G.-J., Durward, M., Adams, B., & **Dunn, J.** (2023). "Cantnlp@ LT-EDI-2023: Homophobia/transphobia detection in social media comments using spatio-temporally retrained language models." In *Proceedings of the Third Workshop on Language Technology for Equality, Diversity and Inclusion*. [Link](#).

2022

17. **Dunn, J.** (2022). "Exposure and Emergence in Usage-Based Grammar: Computational Experiments in 35 Languages." *Cognitive Linguistics*, 33(4): 659-699.
([Q1 Journal in Linguistics](#)). [Data](#). [Link](#).

18. **Dunn, J.** & Wong, S. G.-J. (2022). "Stability of Syntactic Dialect Classification Over Space and Time." In *Proceedings of the International Conference on Computational Linguistics, COLING*. 26-36.
([Top 10 Venue in NLP](#)). [Link](#).

19. **Dunn, J.**; Li, H.; & Sastre, D. (2022). "Predicting Embedding Reliability in Low-Resource Settings Using Corpus Similarity Measures." In *Proceedings of the International Conference on Language Resources and Evaluation*, LREC. European Language Resources Association.

6461-6470.

([Top 10 Venue in NLP](#)). [Link](#).

20. **Dunn, J.** & Nijhof, W. (2022). "Language Identification for Austronesian Languages." In *Proceedings of the International Conference on Language Resources and Evaluation*, LREC. European Language Resources Association. 6530-6539.
([Top 10 Venue in NLP](#)). [Link](#).
21. Li, H. & **Dunn, J.*** (2022). "Corpus Similarity Measures Remain Robust Across Diverse Languages." *Lingua*, 275: 103377.
([Q1 Journal in Linguistics](#)). [Link](#). * *Corresponding author*.
22. **Dunn, J.** (2022). "Cognitive Linguistics Meets Computational Linguistics: Construction Grammar, Dialectology, and Linguistic Diversity." In Tay, D. & Xie Pan, M. (eds.), *Data Analytics in Cognitive Linguistics: Methods and Insights*. 273-308. Berlin: De Gruyter.
[Link](#)
- 2021 23. **Dunn, J.** & Tayyar Madabushi, H. (2021). "Learned Construction Grammars Converge Across Registers Given Increased Exposure." In *Proceedings of the Conference on Computational Natural Language Learning*, CoNLL. Association for Computational Linguistics. 268-278.
([Top 10 Venue in NLP](#)). [Link](#).
24. **Dunn, J.** (2021). "Representations of Language Varieties Are Reliable Given Corpus Similarity Measures." In *Proceedings of the Workshop on NLP for Similar Languages, Varieties and Dialects @ EACL*. Association for Computational Linguistics. 28-38.
([Workshop @ Top 10 Venue in NLP](#)). [Link](#).
25. **Dunn, J.** & Nini, A. (2021). "Production vs Perception: The Role of Individuality in Usage-Based Grammar Induction." In *Proceedings of the Workshop on Cognitive Modeling and Computational Linguistics @ NAACL*. Association for Computational Linguistics. 149-159.
([Workshop @ Top 10 Venue in NLP](#)). [Link](#).
- 2020 26. **Dunn, J.** (2020). "Mapping Languages: The Corpus of Global Language Use." *Language Resources and Evaluation*, 54(4): 999-1,018.
([Q1 Journal in Linguistics](#)). [Link](#).
27. **Dunn, J.** & Adams, B. (2020). "Geographically-Balanced Gigaword Corpora for 50 Language Varieties." In *Proceedings of the Conference on Language Resources and Evaluation*, LREC. European Language Resources Association. 2,521-2,529.
([Top 10 Venue in NLP](#)). [Link](#).
28. **Dunn, J.**; Coupe, T.; & Adams, B. (2020). "Measuring Linguistic Diversity During COVID-19." In *Proceedings of the Workshop on Natural Language Processing and Computational Social Science @ EMNLP*. Association for Computational Linguistics. 1-10.
([Workshop @ Top 10 Venue in NLP](#)). [Link](#).
29. **Dunn, J.** (2020). "Ontological and Grammatical Constraints on Metaphor Productivity." In Attardo, S. (ed.), *Script-Based Semantics: Foundations and Applications. Essays in Honor of Victor Raskin*. Berlin: De Gruyter. 55-76. [Link](#)

30. Mohammadhassan N., Mitrovic A., Neshatian K. & **Dunn J.** (2020). "Automatic Quality Assessment of Comments in Active Video Watching Using Machine Learning Techniques." In So H-J; Rodrigo M; Mason J; Mitrovic A (Eds). *Proceedings of the 28th International Conference on Computers in Education*. I: 1-10. Taiwan: Asia-Pacific Society for Computers in Education. [Link](#)
31. Mohammadhassan N., Mitrovic A., Neshatian K. & **Dunn J.** (2020) "Developing Personalized Nudges to Improve Quality of Comments in Active Video Watching." In *Proceedings of 28th International Conference on Computers in Education 2*: 766-769. Taiwan: Asia-Pacific Society for Computers in Education. [Link](#)
- 2019 32. **Dunn, J.** (2019). "Global Syntactic Variation in Seven Languages: Towards a Computational Dialectology." *Frontiers in Artificial Intelligence: Language and Computation*. Section on Computational Sociolinguistics. [10.3389/frai.2019.00015](#) (Altmetric: Top 10%). [Link](#).
33. **Dunn, J.** (2019). "Modeling Global Syntactic Variation in English Using Dialect Classification." In *Proceedings of the Workshop on NLP for Similar Languages, Varieties and Dialects @ NAACL*. Association for Computational Linguistics. 42-53. (Workshop @ Top 10 Venue in NLP). [Link](#).
34. **Dunn, J.** (2019). "Frequency vs. Association for Constraint Selection in Usage-Based Construction Grammar." In *Proceedings of the Workshop on Cognitive Modeling and Computational Linguistics @ NAACL*. Association for Computational Linguistics. 117-128. (Workshop @ Top 10 Venue in NLP). [Link](#).
35. **Dunn, J.** & Adams, B. (2019). "Mapping Languages and Demographics with Georeferenced Corpora." In *Proceedings of GeoComputation 19*. [Link](#)
- 2018 36. **Dunn, J.** (2018). "Multi-Unit Association Measures: Moving Beyond Pairs of Words." *International Journal of Corpus Linguistics*, 23(2): 183-215. (Q1 Journal in Linguistics). [Link](#)
37. **Dunn, J.** (2018). "Finding Variants for Construction-Based Dialectometry: A Corpus-Based Approach to Regional CxGs." *Cognitive Linguistics*, 29(2): 275-311. (Q1 Journal in Linguistics). [Link](#).
38. **Dunn, J.** (2018). "Modeling the Complexity and Descriptive Adequacy of Construction Grammars." In *Proceedings of the Society for Computation in Linguistics*. Association for Computational Linguistics. 81-90. [Link](#).
- 2017 39. **Dunn, J.** (2017). "Computational Learning of Construction Grammars." *Language and Cognition*, 9(2): 254-292. (Q1 Journal in Linguistics). [Link](#).
- 2016 40. **Dunn, J.**; Argamon, S.; Rasooli, A.; & Kumar, G. (2016) "Profile-Based Authorship Analysis." *Digital Scholarship in the Humanities*, 31(4): 689-710. (Q1 Journal in Linguistics). [Link](#).
- 2015 41. **Dunn, J.** (2015) "Modeling Abstractness and Metaphoricity." *Metaphor & Symbol*, 30(4): 259-289. (Q1 Journal in Linguistics). [Link](#).

- 2014
42. **Dunn, J.** (2015). "Three Types of Metaphoric Utterances That Can Synthesize Theories of Metaphor." *Metaphor & Symbol*, 30(1): 1-23.
([Q1 Journal in Linguistics](#)). [Link](#).
43. **Dunn, J.** (2014). "Measuring Metaphoricity." In *Proceedings of the Annual Meeting of the Association for Computational Linguistics*, ACL. Association for Computational Linguistics. 745-751.
([Top 10 Venue in NLP](#)). [Link](#).
44. **Dunn, J.** (2014). "Multi-Dimensional Abstractness in Cross-Domain Mappings." In *Proceedings of the Workshop on Metaphor in NLP @ ACL*. Association for Computational Linguistics. 27-32.
([Workshop @ Top 10 Venue in NLP](#)). [Link](#).
45. **Dunn, J.**; Beltran de Heredia, J.; Burke, M.; Gandy, L.; Kanareykin, S.; Kapah, O.; Taylor, M.; Hines, D.; Frieder, O.; Grossman, D.; Howard, N.; Koppel, M.; Morris, S.; Ortony, A.; & Argamon, S. (2014). "Language-Independent Ensemble Approaches to Metaphor Identification." In *Proceedings of the 28th Conference on Artificial Intelligence: Workshop on Cognitive Computing for Augmented Human Intelligence*. 6-12.
([Workshop @ Top 10 Venue in AI](#)). [Link](#).
- 2013
46. **Dunn, J.** (2013). "How Linguistic Structure Influences and Helps To Predict Metaphoric Meaning." *Cognitive Linguistics*, 24(1): 33-66.
([Q1 Journal in Linguistics](#)). [Link](#).
47. **Dunn, J.** (2013). "Evaluating the Premises and Results of Four Metaphor Identification Systems." In *Proceedings of the Conference on Intelligent Text Processing and Computational Linguistics, Vol. 1*. Heidelberg: Springer. 471-486. [Link](#)
48. **Dunn, J.** (2013). "What Metaphor Identification Systems Can Tell Us About Metaphor-in-Language." In *Proceedings of the Workshop on Metaphor in NLP @ NAACL*. Association for Computational Linguistics. 1-10.
([Workshop @ Top 10 Venue in NLP](#)). [Link](#).
- 2011
49. **Dunn, J.** (2011). "Gradient Semantic Intuitions of Metaphoric Expressions." *Metaphor & Symbol*, 26(1): 53-67.
([Q1 Journal in Linguistics](#)). [Link](#).

Teaching

COMPUTATIONAL LINGUISTICS

Computational Corpus Linguistics (LING 413: Mixed-level)

University of Illinois Urbana-Champaign

Recent Teaching Evaluation: 4.89 (out of 5)

Computational Sociolinguistics (LING 442: Mixed-level)

University of Illinois Urbana-Champaign

Recent Teaching Evaluation: 4.83 (out of 5)

Computational Syntax (LING 444: Mixed-level)
University of Illinois Urbana-Champaign
Recent Teaching Evaluation: 4.75 (out of 5)

Capstone in Computational Linguistics (LING 453: Undergraduate)
University of Illinois Urbana-Champaign
Recent Teaching Evaluation: 4.75 (out of 5)

Natural Language Processing (COSC 441: Graduate-level)
University of Canterbury
Teaching Evaluation: 4.75 (out of 5)

Text Analytics (LING 223: Undergraduate-level)
University of Canterbury
Teaching Evaluation: 4.90 (out of 5)

LINGUISTICS

Topics in Syntactic Theory (LING 306: Undergraduate-level)
University of Canterbury
Teaching Evaluation: 4.50 (out of 5)

Grammatical Structure (LING 217: Undergraduate-level)
University of Canterbury
Teaching Evaluation: 4.64 (out of 5)

Forensic Linguistics (LING 225: Undergraduate-level)
University of Canterbury
Teaching Evaluation: 4.70 (out of 5)

GENERAL LINGUISTICS

English Structures (LING 400: Graduate-level Intro)
University of Canterbury
Teaching Evaluation: 4.90 (out of 5)

The English Language (LING 101: Undergraduate-level Intro)
University of Canterbury
Teaching Evaluation: 4.10 (out of 5)

OTHER TEACHING

Computational Construction Grammar: LSA Linguistic Institute @ University of Oregon
Data-Driven Computational Pragmatics: LSA Linguistic Institute @ University of Chicago
Introduction to Linguistics (LING 227) @ Purdue University
Classroom Communication for International Graduate Students @ Purdue University
First Year Composition for International Students (ENGL 101I) @ Purdue University
First-Year Composition (ENGL 101) @ Purdue University

Residential Learning Community (ENGL 101) @ Purdue University

TEACHING AWARDS AND RECOGNITION

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| 2025 | List of Teachers Ranked as Excellent, University of Illinois Urbana-Champaign |
| 2024 | List of Teachers Ranked as Excellent, University of Illinois Urbana-Champaign |
| 2012 | Quintilian Award (Top 10% of Instructor Evaluations), Purdue University, Department of English |
| 2012 | Graduate Teacher Certificate, Center for Instructional Excellence, Purdue University |

Supervisions, Post-Doctoral

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| 2021-2022 | Haipeng Li (Post-doc, New Zealand Institute for Language Brain and Behaviour) |
| 2024-Present | Qiao Gan (Post-doc, New Zealand Institute for Language Brain and Behaviour) |

Supervisions, Ph.D.

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| 2024-2025 | Brennan Dell (Ph.D. Student, Linguistics, Illinois) |
| 2024-Present | Mai Mohamed Eida (Ph.D. Student, Linguistics, Illinois) |
| 2024-Present | Sofya Styrina (Ph.D. Student, Linguistics, Illinois) |
| 2024-Present | Tai Armstrong (Ph.D. Student, Linguistics, Illinois) |
| 2024-Present | Mikaela Martins (Ph.D. Student, Linguistics, Illinois) |
| 2024-Present | Gunjan Anand (Ph.D. Student, Linguistics, Illinois) |
| 2021-Present | Sidney Wong (Ph.D. Student, Linguistics, Canterbury; With Ben Adams) |
| 2021-Present | Matthew Durward (Ph.D. Student, Linguistics, Canterbury; With Chris Thomson) |
| 2020-2022 | Negar Mohammadhassan (Ph.D. Student, Computer Science, Canterbury; Primary: Tanja Mitrovic) |

Supervisions, Other

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| 2024 | Zofia Graham (Summer Mentoring Program, Undergraduate-level, Illinois) |
| 2023 | Fernando Miguez (M.A. Student, Linguistics, Canterbury; With Dineke Schokkin) |

Software and Data

earthLings: Computational Linguistic Atlas

A 440 billion word geo-referenced corpus from the web and social media

<https://www.earthLings.io>

<https://www.github.com/jonathandunn/earthLings>

C2xG: Computational Construction Grammar

Python package for learning, evaluating, and annotating CxGs

<https://www.github.com/jonathandunn/c2xg>

GeoLID: Identifying minority languages more accurately using geographic priors

Python package for state-of-the-art LID

<https://www.github.com/jonathandunn/geoLid>

pacificLID: Identifying languages and code-switching with a focus on Austronesian languages

Python Version: https://github.com/jonathandunn/pacific_CodeSwitch

fastText Version: <https://jdunn.name/corpora/>

text_analytics: Package for teaching computational linguistics in Python

https://www.github.com/jonathandunn/text_analytics

corpus_similarity: Package for measuring corpus similarity and homogeneity

https://www.github.com/jonathandunn/corpus_similarity

Common Crawl Corpus: Corpus building from the common crawl data

https://www.github.com/jonathandunn/common_crawl_corpus

Service to the Discipline

EDITORIAL WORK

2026

Area Chair, Conference on Computational Natural Language Learning (CoNLL)

2018-2024

Associate Editor, *Frontiers in Artificial Intelligence* (Language and Computation)

REVIEWING, BOOKS

Textbooks in Linguistics, Cambridge University Press

Linguistics and Language Education, Bloomsbury Academic

Synthesis Lectures in Human Language Technologies, Morgan Claypool

REVIEWING, PROPOSALS

Austrian Science Fund

Croatian Science Foundation

Endeavour Fund, MBIE, New Zealand

Swiss National Science Foundation

European Science Foundation, EU

Fund for Scientific Research (F.R.S.-FNRS), Belgium

Social Sciences and Humanities Research Council, Canada

REVIEWING, JOURNALS

Advances in Methods and Practices in Psychological Science

Cognitive Linguistics

Cognitive Science

Constructions

Corpus Linguistics and Linguistic Theory

IEEE Transactions on Audio, Speech and Language Processing
Journal of Artificial Intelligence Research
Journal of Cognitive Science
Language & Cognition
Language, Cognition, and Neuroscience
Language Resources and Evaluation
Linguistics Vanguard
Nature Communication
npj Heritage Science
Metaphor & Symbol
Psychological Review
Royal Society Open Science
Scientific Reports
The Computer Journal

REVIEWING, PROCEEDINGS ARTICLES

Asia-Pacific Association for Computational Linguistics (AACL)
 Association for Computational Linguistics (ACL)
 Association for Computational Linguistics Rolling Review (ARR)
 Conference on Computational Natural Language Learning (CoNLL)
 Empirical Methods in Natural Language Processing (EMNLP)
 European Association for Computational Linguistics (EACL)
 International Conference on Computational Linguistics (COLING)
 International Conference on Language Resources and Evaluation (LREC)
 International Joint Conference on Natural Language Processing (ACL-IJCNLP)
 North American Association for Computational Linguistics (NAACL)
 Joint Linguistic Annotation Workshop and Designing Meaning Representations
 Workshop on Linguistic Annotation
 Workshop on Figurative Language Processing
 Workshop on Metaphor in NLP
 Workshop on Natural Language Processing and Computational Social Science
 Workshop on NLP for Similar Languages, Varieties and Dialects
 International Workshop on Construction Grammars and NLP

REVIEWING, CONFERENCES

Linguistic Society of America Annual Meeting
 Symposium on Corpus Approaches to Lexicogrammar
 International Conference on Construction Grammar

University Service

COMMITTEES

| | |
|--------------|--|
| 2025-Present | Graduate College Fellowship Board (Humanities and Arts), University of Illinois |
| 2024-Present | Committee on Courses and Curricula, College of Liberal Arts and Sciences, University of Illinois |
| 2024 | Ad Hoc Hiring Committee, Department of Linguistics, University of Illinois |
| 2023 | Academic Programmes Committee, College of Arts, University of Canterbury |
| 2023 | Hiring Committee, Department of Linguistics, University of Canterbury |
| 2023 | Hiring Committee, NZILBB, University of Canterbury |
| 2020-2021 | Academic Programmes Committee, College of Arts, University of Canterbury |
| 2018-2023 | Academic Programmes Committee, College of Science, University of Canterbury |
| 2020-2022 | Steering Group for Bachelors of Data Science Degree, University of Canterbury |
| 2019-2020 | Research Committee, School of Language, Social & Political Sciences, University of Canterbury |
| 2019 | Hiring Committee, Department of Linguistics, University of Canterbury |

ADMINISTRATIVE ACHIEVEMENTS

| | |
|------|--|
| 2020 | Developed and delivered one of the flagship MOOCs for the University of Canterbury |
| 2020 | Developed the <i>Computational Linguistics</i> undergraduate major, University of Canterbury |
| 2020 | Helped develop the undergraduate degree, <i>Bachelors of Data Science</i> , University of Canterbury |

Partially Peer-Reviewed Publications

| | |
|------|--|
| 2018 | 1. Dunn, J. (2018). "Recursively Emerging Structure: A Discovery-Device CxG." In <i>Proceedings of the Chicago Linguistics Society</i> , 53: 71-86. |
| 2017 | 2. Dunn, J. (2017). "Learnability and Falsifiability of Construction Grammars: A Learning-Based Approach." <i>Proceedings of the Linguistic Society of America Annual Meeting</i> , 2(1):1-15. |
| | 3. Dunn, J. (2017). <i>Automating Human Geography With Dialectology</i> . Technical Report for National Geospatial-Intelligence Agency. Washington, D.C. |
| 2015 | 4. Dunn, J. (2015). "Review of Frames and Constructions in Metaphoric Language (Constructional Approaches to Language, 14)." <i>Cognitive Linguistics</i> , 26(2): 371-375. |
| | 5. Dunn, J. (2015). "Review of The Semantic Representation of Natural Language." <i>Studies in Language</i> , 39(2): 492-500. |
| 2013 | 6. Dunn, J. (2013). "Review of Converging Evidence: Methodological and Theoretical Issues for Linguistic Research. (Human Cognitive Processing, 33)." <i>Cognitive Linguistics</i> , 24(4): 711-717. |

Invited Talks (Since 2022)

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| 2025 | 1. University of Colorado, Boulder: Institute for Cognitive Science: "Computational Sociolinguistics: Population-Level Variation and Its Impact on Language Technology." |
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2. University of Colorado, Boulder: Department of Linguistics: "Language as a Complex System: Syntactic Variation from Individuals to Populations."
- 2024 3. "Linguistic Diversity in the Digital World: From Perception to Production." University of Galway
4. University of Illinois, Chicago: "Impacts of Linguistic Diversity on Language Technology."
- 2023 5. "Emerging Structure in Computational Construction Grammar." Plenary at the Construction Grammars and NLP Workshop, Georgetown University ([CxGs+NLP](#))
6. "Learnability and Variability in Computational Linguistics: Implications for Second Language Acquisition." Purdue University
- 2022 7. "Improving Corpus Resources for Low-Resource Languages." University of Galway
8. "Computational Linguistics for Socially-Responsible Technology." University of Wisconsin-Madison
9. "Linguistic Variation in NLP." Pacific Northwest National Lab

Last updated: January 26, 2026