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Scott Nelson

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Academic Positions

UNIVERSITY OF ILLINOIS; URBANA, IL <i>Instructor – Department of Linguistics</i>	2024–present
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Education

STONY BROOK UNIVERSITY; STONY BROOK, NY <i>Ph.D. Linguistics</i> Dissertation: <i>The Computational Structure of Phonological and Phonetic Knowledge</i>	2019–present
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MICHIGAN STATE UNIVERSITY; EAST LANSING, MI <i>M.A. Linguistics</i> Thesis: <i>The Generalizable Nature of Lexical Retuning</i>	2019
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MICHIGAN STATE UNIVERSITY; EAST LANSING, MI <i>B.A. Linguistics (High Honors)</i> Thesis: <i>Perceptual Retuning Targets Features</i>	2017
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Additional

UNIVERSITY OF MASSACHUSETTS AMHERST; AMHERST, MA <i>Linguistic Society of America Summer Institute</i>	2023
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INSTITUTE FOR ADVANCED COMPUTATIONAL SCIENCE; STONY BROOK, NY <i>Advanced Graduate Certificate in Data and Computational Science</i>	2022
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Publications

REFEREED JOURNAL ARTICLES

3. **Nelson, S.** & Heinz, J. (accepted) “The Blueprint Model of Production”. *Phonology*.
2. Taherkhani, N. & **Nelson, S.** (2024) “Southern Tati: Takestani Dialect”. *Journal of the International Phonetic Association*.
1. **Nelson, S.** & Durvasula, K. (2021). “Lexically-Guided Perceptual Learning does Generalize to New Contexts”. *Journal of Phonetics* 86. DOI: 10.1016/j.wocn.2020.101019.

PAPER-REVIEWED CONFERENCE PROCEEDINGS

1. **Nelson, S.** (2022). “A Model Theoretic Perspective on Phonological Feature Systems”. *Proceedings of the Society for Computation in Linguistics* 5(1), 1-10.

ABSTRACT-REVIEWED CONFERENCE PROCEEDINGS

4. **Nelson, S.** & Baković, E. (2024). “Underspecification without Underspecified Representations”. *Proceedings of the Society for Computation in Linguistics* 7(1).
3. **Nelson, S.** & Heinz, J. (2022). “Incomplete Neutralization and the Blueprint Model of Production”. In Peter Jurgec, Liisa Duncan, Emily Elfner, Yoonjung Kang, Alexei Kochetov, Brittney K. O’Neill, Avery Ozburn, Keren Rice, Nathan Sanders, Jessamyn Schertz, Nate Shaftoe, and Lisa Sullivan (eds.), *Proceedings of the 2021 Annual Meeting on Phonology*. Washington DC: Linguistics Society of America.
2. Pue, A.S. & **Nelson, S.** (2018). “Marking Poetic Time: Building and Annotating a Hindi-Urdu Poetry Corpus for Computational Humanities Research”. *Proceedings of the Second Workshop on Corpus-based Research in the Humanities (CRH-2)*, 171-180.
1. Durvasula, K. & **Nelson, S.** (2017). “Lexical Retuning Targets Features”. In Gallagher, Gillian, Gouskova, Maria, and Sora Yin (eds.), *Proceedings of the 2017 Annual Meeting on Phonology*. Washington DC: Linguistics Society of America.

MANUSCRIPTS IN PREPERATION

5. **Nelson, S.** “Optionality and the Phonetics-Phonology Interface” (to appear in proceedings of WCCFL 42).
4. Taherkhani, N., **Nelson, S.** & Heinz, J. “Vowel alternations as evidence for contrastive vowel features in Southern Tati: Takestani dialect” (to be submitted).
3. **Nelson, S.** “The logic and typology of derived environment effects” (to appear as chapter in *Doing Computational Phonology*).

2. **Nelson, S.** “On inferring linear order from non-linear gestural representations” (in preparation).
1. Heinz, J., and **Nelson, S.** “The Past, Present, and Future of Model-Theoretic Phonology” (in preparation)

Presentations

TALKS

15. **Nelson, S.** (2024) Optionality and the Phonetics-Phonology Interface. 42nd West Coast Conference on Formal Linguistics. University of California Berkeley, Berkeley, California, USA.
14. Chandlee, J., Jardine, A., & **Nelson, S.** (2024) Tutorial: Logic and Model Theory for Phonology. Annual Meeting of the Linguistic Society of America. New York, New York, USA.
13. **Nelson, S.** (2023). Model Theoretic Phonology and Theory Comparison: Segments, Gestures, and Coupling Graphs. North American Phonology Conference 12. Concordia University, Montreal, Quebec, Canada.
12. Taherkhani, N., **Nelson, S.**, & Heinz, J. (2023). A Contrastive Hierarchy for Vowels in Southern Tati: Takestani Dialect. North American Conference in Iranian Linguistics 3. University of California Los Angeles, Los Angeles, California, USA.
11. **Nelson, S.** (2022). Gestures, Coupling Graphs, and Strings. Workshop on Model Theoretic Representations in Phonology. Stony Brook University. Stony Brook, New York, USA.
10. Heinz, J. & **Nelson, S.** (2022). The Past, Present, and Future of Model Theoretic Phonology. Workshop on Model Theoretic Representations in Phonology. Stony Brook University. Stony Brook, New York, USA.
9. **Nelson, S.** (2022). A Model Theoretic Perspective on Phonological Feature Systems. Society for Computation in Linguistics 2022.
8. **Nelson, S.** (2022). The Blueprint Model of Production. IACS Student Seminar. Institute for Advanced Computational Science. Stony Brook, New York, USA.
7. **Nelson, S.** & Heinz, J. (2021). Incomplete Neutralization and the Blueprint Model of Production. Annual Meeting on Phonology 2021. University of Toronto. Toronto, Ontario, Canada.
6. **Nelson, S.** (2021). What can logic and model theory tell us about phonological feature systems? Phonology in the Northeast 2021. New York University, New York, New York, USA.
5. **Nelson, S.** (2020). The logical language of phonological features. Northeastern Computational Phonology Workshop 2020. Maryland University. College Park, Maryland, USA.
4. **Nelson, S.** & Heinz, J. (2020). Incomplete Neutralization is no Problem for Formal Phonology. Workshop on Theoretical Phonology 2020. Concordia University. Montreal, Quebec, Canada.

3. **Nelson, S.** (2018). Lexical retuning is not the same as audio-visual retuning: the former generalizes better. 23rd Annual Mid-Continental Phonetics & Phonology Conference. Northwestern University. Evanston, Illinois, USA.
2. Pue, A. Sean & **Nelson, S.** (2018). Marking Poetic Time: Building and Annotating a Hindi-Urdu Poetry Corpus for Computational Humanities Research. Corpus-based Research in the Humanities 2, Austrian Academy of Science. Vienna, Austria.
1. Durvasula, K. & **Nelson, S.** (2017). Perceptual retuning targets features. Annual Meeting on Phonology 2017. New York University. New York, New York, USA.

POSTERS

6. **Nelson, S.** & Baković, E. (2024). Underspecification without Underspecified Representations. Society for Computation in Linguistics 2022. University of California Irvine. Irvine, California, USA.
5. **Nelson, S.** (2023). Unordered rules that only apply to the input are not more complex than ordered rules. M100. Massachusetts Institute of Technology. Cambridge, Massachusetts, USA.
4. **Nelson, S.** (2022). Are Representations in Articulatory and Generative Phonology so different? Annual Meeting on Phonology 2022. University of California Los Angeles. Los Angeles, California, USA.
3. **Nelson, S.** (2022). Testing the Equality of Phonological Structures Using Declarative Programs. IACS 5 Year Review. Institute for Advanced Computational Science. Stony Brook, New York, USA.
2. **Nelson, S.** (2019) Generalization in the absence of variation within lexical retuning. Annual Meeting of the Linguistic Society of America. New York, New York, USA.
1. Durvasula, K. & **Nelson, S.** (2018). Retuning generalizes to new contexts. 16th Conference on Laboratory Phonology. University of Lisboa. Lisboa, Portugal.

Teaching

STONY BROOK UNIVERSITY - PRIMARY INSTRUCTOR

LIN 200: Language in the United States (Winter 2022)
 LIN 350: Experimental Phonetics (Summer 2023)
 LIN 405: Writing in Linguistics (Summer 2021)
 LIN 522: Phonetics (Summer 2020; Summer 2022)

STONY BROOK UNIVERSITY - TEACHING ASSISTANT

LIN 101: Introduction to Linguistics (Spring 2020)

LIN 120: Language and Technology (Fall 2020)
LIN 201: Phonetics (Fall 2019; Fall 2021; Spring 2022)
LIN 235: Signed Languages & Deaf Communities (Spring 2024)
LIN 301: Phonology (Spring 2021; Fall 2022; Fall 2023)
LIN 538: Statistics for Linguistics (Spring 2023)

INVITED LECTURES

2. The Blueprint Model of Production. LIGN 115: Phonology II. University of California San Diego. (Spring 2023)
1. Introduction to TaDA. LIN 828: Phonetics 2. Michigan State University. (Fall 2022)

ADDITIONAL INSTRUCTION

5. Data + Computation = Discovery! Research Methods and Professional Development Seminar. Institute for Advance Computational Science. Stony Brook, New York, USA. (2024)
4. New York Institute Introduction to Mathematical Linguistics. Online. (2024)
3. Department of Linguistics Statistics Minicourse. Stony Brook University. Stony Brook, New York, USA. (2023)
2. Linguistics Minicourse. The Stony Brook School. Stony Brook, New York, USA. (2022)
1. Summer Youth Camp in Computational Linguistics. Stony Brook University. Stony Brook, New York, USA. (2020-2024)

Awards, Honors, and Fellowships

FUNDED AWARDS AND FELLOWSHIPS

2. Institute for Advance Computational Science Junior Researcher Award 2022-2023 (\$34,000)
1. Institute for Advance Computational Science Junior Researcher Award 2021-2022 (\$34,000)

TEACHING AWARDS

1. Stony Brook University President's Award for Excellence in Teaching by a Graduate Student 2023 (\$1,000)

Events Organized

2. Special Session on Formal Language Theory in Morphology and Phonology at the Linguistic Society of America 2024 Annual Meeting (with Jeffrey Heinz, and Jon Rawski). New York, New York. January 2024.
1. Workshop on Model Theoretic Representations in Phonology (with Jeffrey Heinz). Stony Brook University. Stony Brook, New York. September 2022.

Service

STONY BROOK UNIVERSITY

Organizer, Phonology Reading Group (2021-2022)
Organizer, Linguistics Colloquium Series (2020-2021)
Organizer, Mathematical Linguistics Reading Group (2020)

MICHIGAN STATE UNIVERSITY

Organizer, Linguistics Colloquium Series (2017-2018)

Natural Language Proficiency

Native: English

Beginner: American Sign Language, Swedish, Spanish

Fieldwork: Southern Tati

Computing

Advanced: Praat, L^AT_EX, R

Intermediate: Python, Markdown

Beginner: PsychoPy, Git, Haskell, Matlab