

Aleksei Ioulevitch Nazarov  
Curriculum Vitæ

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Address                    Departement Talen, Literatuur en Communicatie  
                                  Universiteit Utrecht  
                                  Trans 10  
                                  3512 JK Utrecht  
                                  The Netherlands

E-mail                     a.i.nazarov@uu.nl

Website                  <http://alekseinarov.org>

Employment

2019–                     Lecturer (Docent).  
                                  Utrecht University.

2018–2019               Assistant Professor (Contractually Limited Term Appointment).  
                                  University of Toronto.

2017–2018               Senior Lecturer in Phonetics and Phonology.  
                                  University of Huddersfield.

2016–2017               Lecturer on Linguistics.  
                                  Harvard University.

Education

2010–2016               Ph.D. in Linguistics.  
                                  University of Massachusetts Amherst.  
                                  Dissertation title: ‘Extending Hidden Structure Learning:  
                                  Features, Opacity, and Exceptions’

2008–2010               M.Phil. *cum laude* in Linguistics: Structure and Diversity in the  
                                  Languages of the World.  
                                  Leiden University.

2005–2008               B.A. *cum laude* in Linguistics.  
                                  Leiden University.

## Peer-Reviewed Journal Publications

*Under revision/  
in preparation*

With Gašper Beguš, Anna Bjorklund, and Blas Puente–Baldoceca. ‘Lexicon against Naturalness: Unnatural Gradient Phonotactic Restrictions and Their Origins.’

*Accepted*

With Gaja Jarosz. ‘The Credit Problem in parametric stress: A probabilistic approach.’ Accepted to *Glossa: A Journal of General Linguistics*.

2019

‘Moraic Domains between feet and syllables: An argument from vowel reduction typology.’ *Glossa: A Journal of General Linguistics*, 4:1, 94.

2017

With Joe Pater. ‘Learning opacity in Stratal Maximum Entropy Grammar.’ *Phonology*, 34:2, 299–324.

2014

‘A radically emergentist approach to phonological features: implications for grammars.’ *Nordlyd*, 41:1, 21–58.

## Conference Proceedings Publications

2021

Learnability of indexed constraint analyses of phonological opacity. *Proceedings of the Society for Computation in Linguistics* 4, 16.

2020

With Brandon Prickett, Kaden Holladay, Shay Hucklebridge, Max Nelson, Rajesh Bhatt, Gaja Jarosz, Kyle Johnson, and Joe Pater. ‘Learning syntactic parameters without triggers by assigning credit and blame.’ *CLS* 55, 337–350.

2020

‘Bedouin Arabic multiple opacity with indexed constraints in Parallel OT.’ In Hyunah Baek, Chikako Takahashi, and Alex Hong-Lun Yeung (eds.), *Supplemental Proceedings of the 2019 Annual Meeting on Phonology*, Washington, DC: LSA.

2019

‘Formalizing the connection between opaque and exceptional generalizations.’ *Toronto Working Papers in Linguistics*, 41:1.

2018

With Gašper Beguš. ‘Gradient trends against phonetic naturalness: The case of Tarma Quechua.’ In Sherry Hucklebridge and Max Nelson (eds.), *Proceedings of the 48<sup>th</sup> North East Linguistics Society*, Amherst, MA: GLSA, pp. 73–86.

- 2018 ‘Learning within- and between-word variation in probabilistic OT grammars.’ In Gillian Gallagher, Maria Gouskova, and Sora Yin (eds.), *Supplemental Proceedings of the 2017 Annual Meeting on Phonology*, Washington, DC: LSA.
- 2017 With Gaja Jarosz. ‘Learning Parametric Stress without Domain-Specific Mechanisms.’ In Karen Jesney, Charlie O’Hara, Caitlin Smith, and Rachel Walker (eds.), *Proceedings of the 2016 Meeting on Phonology*, Washington, DC: LSA.
- 2016 ‘Dutch Reduction Domains: Between syllables and feet.’ In Adam Albright and Michelle Fullwood (eds.), *Proceedings of the 2014 Meeting on Phonology*, Washington, DC: LSA.

### Peer-Reviewed Conference Presentations

- 2021 ‘Modelling the exceptionality/opacity dilemma in acquiring Bedouin Arabic.’ *28<sup>th</sup> Manchester Phonology Meeting*.
- 2021 ‘Learning restrictive analyses of Canadian Raising in OT using exceptionality diacritics.’ *Linguistic Society of America 2021 Annual Meeting*.
- 2021 ‘Learnability of indexed constraint analyses of phonological opacity.’ *Society of Computation in Linguistics*.
- 2020 ‘Extended indexation and the typology of opacity, unnaturalness, and exceptions.’ *Old World Conference in Phonology 17*, Warsaw University.
- 2019 ‘Bedouin Arabic multiple opacity with indexed constraints in Parallel OT.’ *Annual Meeting on Phonology 2019*, Stony Brook University.
- 2019 ‘Formalizing the connection between opaque and exceptional generalizations.’ *27<sup>th</sup> Manchester Phonology Meeting*, University of Manchester.
- 2019 With Brandon Prickett, Kaden Holladay, Shay Hucklebridge, Max Nelson, Rajesh Bhatt, Gaja Jarosz, Kyle Johnson, and Joe Pater. ‘Learning Syntactic Parameters Gradually and Without Triggers.’ *The Chicago Linguistic Society 55<sup>th</sup> Annual Meeting*, University of Chicago.
- 2019 ‘Formalizing the link between opacity and exceptionality.’ *MOT 2019*, University of Toronto.

- 2019 With Gaja Jarosz. ‘Evaluating Domain-General Learning of Parametric Stress Typology.’ *Society for Computation in Linguistics*, New York, NY.
- 2019 ‘Learning exceptionality indices for variable French schwa deletion.’ *Society for Computation in Linguistics*, New York, NY.
- 2018 With Devon Guinn. ‘Evidence for features and phonotactics in beatboxing vocal percussion.’ *Old World Conference in Phonology 15*, University College London.
- 2018 ‘Learning both variability and exceptionality in probabilistic OT grammars.’ *Society for Computation in Linguistics Inaugural Meeting*, Salt Lake City, UT.
- 2018 With Devon Guinn. ‘The phonology of beatboxing vocal percussion: evidence for segmental features.’ *Linguistic Society of America 2018 Annual Meeting*, Salt Lake City, UT.
- 2017 With Gašper Beguš. ‘Gradient Trends against Phonetic Naturalness: The Case of Tarma Quechua.’ *North East Linguistic Society*, University of Iceland.
- 2017 With Gašper Beguš. ‘Unnatural and lexically gradient phonology.’ *Annual Meeting on Phonology 2017*, New York University.
- 2017 ‘Learning within- and between-word variation in probabilistic OT grammars.’ *Annual Meeting on Phonology 2017*, New York University.
- 2017 With Gaja Jarosz. ‘Learning parametric stress without domain-specific mechanisms.’ *LSA 2017 Annual Meeting*, Austin, TX.
- 2016 With Gaja Jarosz. ‘Learning parametric stress without domain-specific mechanisms.’ *Annual Meeting on Phonology 2016*, University of Southern California.
- 2016 ‘Ambiguity of analysis: Inducing indexed constraints for Dutch stress.’ *LSA 2016 Annual Meeting*, Washington, DC.
- 2015 ‘Learning as a window into the role of Faithfulness in stress systems.’ *23<sup>rd</sup> Manchester Phonology Meeting*, University of Manchester.

- 2014 'Dutch Reduction Domains: Between syllables and feet.'  
*North East Linguistic Society 45*, Massachusetts Institute of Technology.
- 2014 'Reduction Domains in Dutch: In between feet and syllables.'  
*Annual Meeting on Phonology 2014*, Massachusetts Institute of Technology.
- 2014 'Grammar and features induced: Multi-leveled representations ensue.'  
*22<sup>nd</sup> Manchester Phonology Meeting*, University of Manchester.
- 2014 'Emergent Phonological Abstraction: Consequences for Grammar.'  
*Old World Conference in Phonology (OCP) XI*,  
Leiden University & Meertens Instituut.
- 2013 'Investigating Phonological Abstraction through Feature Induction.'  
*Features in Phonology, Morphology, Syntax: What are they?*, Universitetet i Tromsø.
- 2013 With Joe Pater. 'Learning opacity in a stratal Maximal Entropy framework.'  
*21<sup>st</sup> Manchester Phonology Meeting*, University of Manchester.

### Invited Talks

- 2021 'Exceptionality vs. opacity in acquiring Bedouin Arabic.'  
University of Warsaw.
- 2020 'Learning indexed constraint analyses of opacity: conditions on restrictiveness.'  
MIT.
- 2019 'Connecting opacity and exceptionality: "alphabet features" in constraints.'  
MIT.
- 2019 'Phonological opacity with indexed constraints: connecting opacity and exceptionality'  
University of Massachusetts Amherst.
- 2018 With Gaja Jarosz. 'Domain-general learning of stress parameters: A typological investigation.'  
MIT.
- 2018 'Language and Beatboxing.'  
Invited lecture for *197M: Language and Music*, University of Massachusetts Amherst.

- 2018 ‘Learning from your Expectations: Modelling the Acquisition of Grammatical Parameters and Lexical Exceptions’ Colloquium talk, York University.
- 2017 ‘Learning variability and exceptionality in Optimality Theory.’ University of Manchester.
- 2017 ‘Autosegmental and Metrical Theory.’ Invited seminar for *Extended Learning in Linguistics for Postgraduates (ELLiPs)*, University of Sheffield.
- 2017 ‘Discovery Procedures in Phonology.’ University of Huddersfield.
- 2017 ‘Learning exception-ful grammars: within- and between-word variation.’ University of Connecticut.
- 2017 ‘Learning to mark exceptionality in probabilistic OT.’ MIT.
- 2015 ‘Learning opacity in a Stratal MaxEnt framework.’ University of Amsterdam.
- 2015 ‘Machine Learning as an Evaluation Metric for Analyses of Dutch Stress.’ University of Amsterdam.
- 2014 ‘A Prosodic Perspective on Dutch Schwa.’ Meertens Instituut.
- 2013 ‘Phonological Opacity as Differential Classification of Sound Events.’ University of Amsterdam.

### Teaching qualifications

- 2020 Basiskwalificatie Onderwijs (BKO). *Obtained 19 February 2021.*
- 2018 Fellow of the Higher Education Academy (HEA).  
*Obtained 31 July 2021.*

### Teaching

Terminology used:

- *Coordinator*: responsible for coordinating and running the course
- *Tutor*: responsible for teaching a portion of the course, someone else coordinates

Utrecht University, 2019–

2020–2021

- Tutor, Lectures/Labs, TW3V19002: *Language and Computation*

- Coordinator, TW3V19002: *Language and Computation*
- Coordinator, TLRMV16105: *Foundations of Sound Patterns*
- Coordinator, TW1V19001: *Psychology of Language*  
(supervised 3 Tutors)

2019–2020

- Tutor, Lectures/Labs, KI2V13007: *Computationale Linguïstiek*
- Tutor, All class sessions, TW3V19002: *Language and Computation*
- Tutor, Seminars/Labs, TW2V19002: *Methods and Statistics I*
- Tutor, Seminars, TW2V13003: *Phonetics: the study of speech*
- Tutor, Seminars, TW1V13001: *From Language to Linguistics*
- Tutor, Seminars, TW1V13002: *Psychology of Language*
- Tutor, Seminars, TLRMV16105: *Foundations of Sound Patterns*

University of Toronto, 2018–2019

- Coordinator, LIN1222: *Advanced Phonology II*
- Coordinator, LIN1121: *Phonological Theory*
- Coordinator, LIN490: *Special Topics: Computational Phonology*
- Coordinator, LIN362: *Historical Linguistics* (supervised a Grader)
- Coordinator, LIN229: *Sound Patterns in Language*  
(supervised 3 Tutors)

University of Huddersfield, 2017–2018

- Coordinator, AIL2509: *Phonetics and Phonology*
- Coordinator, AIL2502: *Field Linguistics*
- Tutor, Seminars, AIL2501: *Sociolinguistics*
- Tutor, Lectures/Seminars, AFL1501: *Introduction to Descriptive Linguistics*

Harvard University, 2016–2017

- Coordinator, LING 219R: *Advanced Phonology*
- Coordinator, LING 215: *Phonological Theory II*
- Coordinator, LING 105: *Sounds of Language* (supervised 2 Tutors)
- Coordinator, LING 115: *Phonological Theory I*

University of Massachusetts Amherst, 2011–2016

- Coordinator, LING 201: *Introduction to Linguistic Theory*
- Tutor, LING 201: *Introduction to Linguistic Theory*
- Tutor, LING 101: *People and their Language*

## Student Supervision

Utrecht University, 2019–

MSc in Artificial Intelligence Theses:

- Paolo Favero: *From features' extraction of phonemes' recordings to the prediction of related motor cortex activation data*

BSc in Artificial Intelligence Theses:

- Guus Kooij: *Clustering in a Phonotactic Maximum Entropy Model*
- Martijn Dekker: *A research into the development of a second language learning chatbot*
- Jos Zuiderwijk: *De invloed van de frequentie van zware lettergrepen op de leerbaarheid in domeinalgemene leeders van kwantiteitssensitieve klemtoonsystemen [The influence of heavy syllable frequency on learnability in domain-general learners of quantity-sensitive stress systems]*

University of Toronto, 2018–2019

- Iryna Osadcha: *Lexical stress in East Slavic: variation in space and time* (non-advising PhD dissertation committee member)

University of Huddersfield, 2017–2018

Undergraduate Dissertations:

- Tasmia Ahmed: *A stylistic study on attitudes towards Punjabi in Pakistan*
- Amy Barnes: *Speaking and articulation rate in Manchester English and West Yorkshire English*
- Eskarina Yeates: *(De)voicing of lenis/voiced fricatives in Welsh and Welsh English*

Harvard University, 2016–2017

Undergraduate Independent Studies:

- Devon Guinn: *A Revised Classification and Notation System for Sounds Used in Beatboxing Performance*
- Jennifer Hu: *The Algebraic Structure of GEN*

Outreach

2017                    ‘Finding your way in an ocean of sound.’ *A-level Taster Day* for Greenhead College, Huddersfield. University of Huddersfield.

Membership of Professional Organizations

2015–                    *Linguistic Society of America*. Member.



## Service

- 2020– Review Editor for *Frontiers in Artificial Intelligence*.
- 2020– *Ad hoc* reviewer for *Annual Meetings on Phonology*.
- 2017– *Ad hoc* reviewer for *Formal Approaches to Slavic Linguistics*, *Society for Computation in Linguistics*, and *NELS*.
- 2016– *Ad hoc* reviewer for *Phonology*, *Glossa*, and *Language*.

## Admin tasks

- 2018–2019            University of Toronto: Library liaison, Language exam coordinator.
- 2018                 University of Huddersfield: Member of School of Music, Humanities and Media International Committee.

## Software Skills

Programming in R and Python.  
Analysis, annotation, and manipulation of speech data, and scripting in Praat.

## Languages

Dutch (native-equivalent);  
Russian (native);  
English (very fluent);  
German (very good reading and listening abilities, (fair to) good speaking ability, fair writing ability);  
French (good reading ability, fair speaking, writing and listening abilities).

## References

References available upon request.