

Anisia Popescu

WORK EXPERIENCE

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WORK EXPERIENCE

- 01.06.2024 – present **Postdoctoral Fellow - INS2I CNRS Funding**
LISN, Université Paris Saclay and CREST Ecole Polytechnique
Project: Segmental variation phenomena and Sociolinguistic modeling in the media
(PIs: Ioana Vasilescu, Marc Evrard, Etienne Ollion)
- 01.10.2023 – 31.05.2024 **Postdoctoral Fellow** LISN, Université Paris Saclay
Project: Learning Cyclotron – Multimodal approach to L2 English learning by Japanese and French L1 speakers
(PIs: Laurence Devillers, Ioana Vasilescu)
- 01.10.2022 – 30.09.2023 **Postdoctoral Fellow** LISN, Université Paris Saclay
Project: Digital Investigation of Phonetic Variation (DIPVAR)
Investigation of lenition and fortition and phonetic typology phenomena in large corpora
(PIs: Ioana Vasilescu, Lori Lamel)
- 01.09.2020 – 30.06.2022
(recruited Feb 2019) **Postdoctoral Fellow,**
DAAD P.R.I.M.E. (German Academic Exchange Program)
University of Potsdam, Phonology & Phonetics Lab
Germany (8 months)
University of Southern California, Linguistics department
USA (12 months)
Project: The representation of articulatory gestures: The case of liquid consonants
(Advisors: Louis Goldstein, Adamantios Gafos)
- 01.10.2019- 31.03.2020
(recruited June 2019) **Postdoctoral Fellow, Marie Skłodowska-Curie Actions**
Laboratory of Oral Language Acquisition (LOLA)
University of Potsdam, Germany
Project: Comparison of fluency in speech and reading in Children (PI: Aude Noiray)
- 01.10.2018-30.04.2019
(during PhD) **Early research scientist, Marie Skłodowska-Curie Actions**
Laboratory of Oral Language Acquisition (LOLA)
University of Potsdam, Germany

Project: Comparison of fluency in speech and reading in Children (PI: Aude Noiray)

EDUCATION

- 01.09.2014 – 13.06.2019 **PhD in Linguistics** (Phonetics/Phonology)
CLILLAC-ARP, Université de Paris (Doctoral School 132)
Dissertation: Temporal organization of liquid consonants in complex syllables: Implications for a dynamic model of the syllable (Advisor: Ioana Chitoran)
- 17/09/2016 – 10/06/2017 **Student at large (during PhD)**
Linguistics Department, University of Chicago, Chicago, USA
Registered graduate student with full course load
Université Paris Diderot - International Relations Office Grant
- 06/07/201 – 31/08/2015 **Linguistic Summer Institute 2015**
Linguistics Department, University of Chicago, Chicago, USA
- 01/09/2012 - 01/09/2014 **MA in Applied Mathematics – Mathematical Engineering**
Université Pierre et Marie Curie (UPMC) Paris, France
- 01/09/2011–01/09/2012 **BA in Linguistics**
Université Paris Diderot – Paris 7, Paris, France
- 01/09/2008–01/07/2012 **BA in Mathematics**
Université Pierre et Marie Curie (UPMC) Paris, France

PUBLICATIONS

Publication summary: Peer-reviewed international journals (3 published + 2 submitted), Peer-reviewed conference proceedings (10), Presentations in peer-reviewed international conferences (19 + 1 submitted), Book Chapter (1 accepted), invited talks (14)

In the pipeline:

- 2024 **Anisia Popescu & Ioana Chitoran**
A dynamic acoustic account of onset and coda laterals in Russian, English, Georgian and Romanian (*submitted to JIPA*)
- 2024 Elina Rubertus, **Anisia Popescu & Aude Noiray**
Seriality in Word Reading: Kinematic Insights in Beginning And Proficient Readers (*first round of revisions – Journal of Experimental Psychology: Learning, Memory and Cognition*)

Published journal articles:

- 2022 **Anisia Popescu & Ioana Chitoran**
Linking gestural representations to syllable count judgments: A cross-language test. *Laboratory Phonology*, 13(1)

Anisia Popescu – December 2024

<https://doi.org/10.16995/labphon.7681>

- 2021 **Anisia Popescu & Aude Noiray**
Learning to read interacts with Children's spoken Language Fluency. *Language Learning and Development*,
DOI: <https://doi.org/10.1080/15475441.2021.1941032>
- 2019 Aude Noiray*, **Anisia Popescu***, Helene Killmer, Elina Rubertus, Stella Kruger & Lisa Hintermeier
Spoken Language Development and the Challenge of Skill Integration. *Frontiers in Psychology - Language Sciences* 10,
DOI: <https://doi.org/10.3389/fpsyg.2019.02777>

(* = joint first authorship)

Conference Proceedings

- 2024 **Anisia Popescu**, Lori Lamel, Ioana Vasilescu, Laurence Devillers
Automatic Speech Recognition with parallel L1 and L2 Acoustic phone models to evaluate /l/ allophony in L2 English Speech production, *INTERSPEECH 2024*
https://www.isca-archive.org/interspeech_2024/popescu24_interspeech.pdf
- 2024 **Anisia Popescu**, Elina Rubertus, Aude Noiray
Variation in the temporal extent of anticipatory coarticulation across three speech modalities in children: an ultrasound study, In In I. Wilson, A. Mizoguchi, J. Perkins, J. Villegas, & N. Yamane (Eds.) *Ultrafest XI: Extended Abstracts*, p. 136-139.
DOI: 10.5281/zenodo.12578650
- 2024 Elina Rubertus, **Anisia Popescu**, Aude Noiray
Ultrasound imaging can track subtle reading disfluencies: Insights from reading children and adults.
In In I. Wilson, A. Mizoguchi, J. Perkins, J. Villegas, & N. Yamane (Eds.) *Ultrafest XI: Extended Abstracts*, p. 151- 154.
DOI: 10.5281/zenodo.12578650
- 2024 **Anisia Popescu**, Ioana Chitoran
Laterals in simplex vs. complex syllable codas: a comparison of four languages, *13th International Seminar of Speech Production (ISSP 2024)*, p. 47-50.
https://www.isca-archive.org/issp_2024/popescu24_issp.pdf
- 2024 **Anisia Popescu**, Lori Lamel, Ioana Vasilescu
Using Speech Technology to test Theories of Phonetic and Phonological Typology, *LREC-COLING2024*, p.17321–17325,
<https://aclanthology.org/2024.lrec-main.1503/>
- 2023 **Anisia Popescu**, Lori Lamel, Ioana Vasilescu

- Typological classification of European Portuguese fricatives: a cross-language forced alignment and pronunciation variants study, *6th International Conference on Natural Language and Speech Processing (ICNLSP2023)*, p. 239–243, <https://aclanthology.org/2023.icnlspp-1.24/>
- 2023 **Anisia Popescu**, Mathilde Hutin, Ioana Vasilescu, Lori Lamel, Marine Adda-Decker
Stop devoicing and place of articulation: a cross-linguistic study using large-scale corpora, *Proceeding of the 20th International Congress of Phonetic Sciences (ICPhS)*, <https://hal.science/hal-04451524/document>
- 2019 **Anisia Popescu**
Syllable-count judgments: Relating gestural composition and syllable weight, *Proceedings of the 54th Annual Meeting of the Chicago Linguistics Society*; p. 425-434; Eszter Ronai, Laura Stigliano and Yenan Sun (eds).
- 2018 **Anisia Popescu & Ioana Chitoran**
Jugements sur le nombre de syllabes et coordination temporelle des gestes articulatoires, *32^e Journées d'étude sur la parole (JEP2018)*, p. 576-584. <https://hal.science/hal-04451627/document>
- 2016 **Anisia Popescu & Ioana Chitoran**
Allophonie et positions dans la syllabe: Le cas des consonnes latérales, *JEP-TALN-RECITAL 2016*, p. 55-63 <https://aclanthology.org/2016.jeptalnrecital-jep.7/>

BOOK CHAPTERS

- 2025 Olivier Augereau, **Anisia Popescu**, Sofiya Kobylanskaya, Motoi Iwata.
AI-Driven Approaches to Knowledge Acquisition and Skill Mastery: an Application To Second-Language Learning. (Chapter 3). In Andrew Vargo, Koichi Kise, Andreas Dengel, Laurence Devillers editors. **The Future of Education with AI**. Forthcoming Shonan Book Series, Springer (*accepted, to appear*)

AWARDS

2022 Peter Jusczyk Award for the Journal *Language Learning and Development* and the Society for Language Development (Paper: Learning to Read Interacts with Children's Spoken Language Fluency)

FELLOWSHIPS AND GRANTS

- 2023 – 2024 CNRS INS2I Postdoctoral Funding
- 2020 – 2022 DAAD P.R.I.M.E Fellowship
German Academic Exchange Service

Anisia Popescu – December 2024

2018	Marie Skłodowska-Curie Actions Early-Stage Researcher
2016	Office of international relations Université Paris Diderot Exchange program at the University of Chicago
2015	Labex ‘Empirical Foundations of Linguistics’ mobility Grant
2015	Région Île de France – International mobility grant
2014 – 2017	Doctoral Fellowship Doctoral School 132 – Sciences du Langage Université Paris Diderot

REFEREED CONFERENCE PRESENTATIONS (EXCLUDING PROCEEDINGS)

2024	Sofiya Kobylyanskaya, Anisia Popescu The use of eye movement and disfluencies for difficult word decoding by L2 speakers, <i>Gazing into Language – Unveiling cognitive processes with eye-tracking</i> , Paris, France, September 20
2024	Anisia Popescu , Sofiya Kobylyanskaya, Ioana Vasilescu, Koichi Kise, Laurence Devillers Cross-language comparison of reading in L2 English: an eye-tracking study, <i>AMLaP2024</i> , Edinburgh, Scotland, September 5-7
2024	Anisia Popescu , Lori Lamel, Ioana Vasilescu, Laurence Devillers Evaluating French L1 production of dark /l/ in L2 English in using ASR with parallel acoustic models, <i>AMLaP2024</i> , Edinburgh, Scotland, September 5-7
2024	Anisia Popescu & Ioana Chitoran Light and dark /l/ in coda clusters: a four-language comparison, <i>Labphon19</i> , Seoul, Korea, June 27-29
2024	Anisia Popescu , Lori Lamel, Ioana Vasilescu & Laurence Devillers An investigation of syllable position /l/ allophony in L2 English learners using Word Error Rate as an index of phonetic proficiency, <i>13th International Seminar on Speech Production (ISSP2024)</i> . Autrans, France, May 13-17
2023	Anisia Popescu , Lori Lamel & Ioana Vasilescu Using cross-language automatic speech recognition and pronunciation variants to investigate voicing in European

Portuguese fricatives, AMLaP2023, San-Sebastian,
August 31st – September 2nd, poster

- 2023 **Anisia Popescu**, Mathilde Hutin, Ioana Vasilescu, Lori Lamel,
Marine Adda-Decker
Testing the Aerodynamic Voicing Constraint using large scale
ASR with pronunciation variants: The case of five Romance
languages, LSRL53, Paris, June 26th – 30th, oral presentation
- 2022 Elina Rubertus, **Anisia Popescu** & Aude Noiray
Children anticipate vowels earlier in repeated than in read
aloud speech, 18th Conference on Laboratory Phonology,
June 23-25, poster, [virtual]
- 2022 **Anisia Popescu**, Louis Goldstein, Mairym Llorens
Montesérin & Shrikanth Narayanan, A multi-slice rtMRI
analysis of horizontal tongue narrowing in English laterals,
18th Conference on Laboratory Phonology, June 23-25, poster,
[virtual]
- 2021 **Anisia Popescu** & Aude Noiray
Does learning to read interact with speech patterns in
consistent alphabetic systems? The case of German
AMLaP2021, Paris, September 2-4, short talk, [virtual]
- 2021 **Anisia Popescu** & Aude Noiray, Does learning how to read
affect the way you speak? Preliminary insight from German
beginning readers, 2021 International Child Phonology
Conference, Canada June 17-19, talk, [virtual]
- 2020 **Anisia Popescu** & Elina Rubertus, Development of
coarticulation: comparing modalities in beginner readers
12th International Seminar on Speech Production, Providence,
RI, USA, 14-18 December, poster, [virtual]
- 2020 **Anisia Popescu** & Aude Noiray, Coarticulatory organization in
beginner readers: a multifactorial interaction approach
12th International Seminar on Speech Production, Providence,
RI, USA, 14-18 December, poster, [virtual]
- 2019 **Anisia Popescu** & Aude Noiray, Reading proficiency and
Phonemic awareness as predictors of coarticulatory gradients
in children, Boston University Conference on Language
Development, BUCLD44, Boston, 7-9 November, poster
- 2019 **Anisia Popescu**, Lisa Hintermeier, Stella Krüger & Aude
Noiray, Does the acquisition of reading affect speech
production? Phonetics and Phonology in Europe (PaPE2019),
Lecce, Italy, 17-19 June, poster

- 2018 **Anisia Popescu** & Ioana Chitoran
Syllable count judgments and temporal organization of articulatory gestures 16th Conference on Laboratory Phonology, Lisbon, Portugal, 19-22 June, poster
- 2018 Yen-an Sun, Laura Stigliano, Eszter Ronai, Amara Sankhagowit. **Anisia Popescu**, Alan Yu & Ming Xiang,
The role of contextual-pragmatic information on speech perception: An eye tracking study Linguistic Society of America 2018, Salt Lake City, UT, USA, 4-7 January, poster
- 2016 **Anisia Popescu**
F3 variability in allophones of /l/ acoustic articulatory relations, 5th Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan, Honolulu, Hawaii, 28 November – 02 December, poster

INVITED PRESENTATIONS & SEMINAR TALKS

- 2024 Timing in rhymes involving sonorants: the effect of vowel type and morphology
Speech Science Forum (SSF), University College London (UCL), December 5
- 2024 A dynamic acoustic account of rhymes involving sonorants: the role of vowel quality
Linguistics Department University of Lancaster, November 19
- 2024 Challenges of Heterogeneous Data for building Linguistic Theory
Workshop AISSAI – Heterogeneous Data and Large Representation Models in Science, Toulouse, October 1
- 2024 Using ASR to investigate phonetic production in L2 English Learners
NII Shonan Meeting No. 214 – The Future of Education with AI Shonan Village Center, Kanagawa, Japan, March 5
- 2023 Voicing in European Portuguese: Using cross-language forced alignment systems for phonetic typology
Symposium du Labex EFL, Paris, June 9
- 2022 Tongue Narrowing in Laterals: a multislice rtMRI analysis
USC PhonLunch Seminar, University of Southern California Los Angeles, USA, April 11.
- 2021 Linking gestural representations and syllable count judgments: A cross-language test, *MAMPF – Methoden und Ansätze moderner phonetischer Forschung*, Universität München,

Munich, Germany, December 22nd

- 2021 Linking gestural representations and syllable count judgments: A cross-language test, *LingLunch – Université de Paris*, Paris, France, December 16
- 2021 Compétences en lecture et production de la parole le cas des lecteurs débutants allemands, *Séminaire Acquisition et Psycholinguistique*, Université Paris 8, Paris, France November 29th
- 2021 Liquid Coda Consonants
USC PhonLunch Seminar, University of Southern California Los Angeles, USA, November 9
- 2021 Linking speech motor control to syllable count judgments: A cross-language comparison
Phonology and Phonetics Meeting, University of Potsdam, Potsdam, Germany, May 5.
- 2019 Literacy and speech motor control development: reading proficiency correlates with coarticulation degree,
Language Evolution, Acquisition and Processing (LEAP) Workshop, University of Chicago, Chicago, November 15
- 2019 The relationship between Phonological Awareness and coarticulation degree, *Predictable Workshop – Marie Curie ITN Project*, Paris, France, January 30 – February 1
- 2018 Syllable count judgments: relating gestural composition and Syllable weight, *Phonology and Phonetics Meeting*, University of Potsdam, Potsdam, Germany, April 18.

TEACHING EXPERIENCE

Instructor at Université Paris Cité – former Université Paris Diderot (full responsibility)

- Spring 2023 Language Acquisition (Graduate)
Morphologie et Syntaxe du FLE (Undergraduate)
- Fall 2022, Spring 2023 Humanités Numériques – Digital Humanities (Undergraduate)
Online course – Université Sorbonne Nouvelle, ENEAD
- Spring 2014, 2015 Languages of the World (Undergraduate)

Teaching Assistant at Université Paris Cité - former Université Paris Diderot

- Fall 2017 Phonology (Graduate)

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Fall 2014, 2015, 2017 Introduction to general linguistics (Undergraduate)

REVIEWER

Conferences

2024 Interspeech2024

2023 Linguistic Symposium on Romance Languages (LSRL53)
Interspeech2023
Architectures and Mechanisms for Language Processing (AMLap2022)

2022 Architectures and Mechanisms for Language Processing (AMLap2022)

2021 Architectures and Mechanisms for Language Processing (AMLap2021)

Journals

2023 Journal of Germanic Linguistics

2021 Journal of Experimental Child Psychology

CONFERENCE AND WORKSHOP ORGANIZATION

2023 Linguistic Symposium on Romance Languages (LSRL53)
Main conference
<https://lsrl53.sciencesconf.org/resource/page/id/6>

2023 Satellite Workshop LSRL53 “Romance Languages in changing world”
<https://lsrl53.sciencesconf.org/resource/page/id/8>

2018 Dynamical Systems Theory for the Phonetic Sciences
Guest Speaker: Pr. Khalil Iskarous

ADDITIONAL RESEARCH SKILLS

Experimental techniques Ultrasound (SOLLAR, Articulate Assistant Advanced (AAA))
Electromagnetic Articulography (EMA) (Matlab: *mview*)
rtMRI (Matlab: *vocalTractROI*, Matlab: *mviewRT*)
Eye tracking (Visual World)

Programming R, Praat, Matlab, Python, Ibex, jspsych, LaTeX

Languages

Romanian (native)
French (bilingual)
English (Proficient C2)
German (Upper intermediate B2)