

ENES AVCU

CURRICULUM VITAE

Department of Linguistics & Cognitive Science
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Research Interests

Cognitive Neuroscience (Neural correlates of phonotactic constraints, Event-Related Potentials, fMRI, fNIRS),
Formal Language Theory (Subregular Hierarchy, Deep Learning and Machine Learning)

Education

Sep 2014 – May 2019

University of Delaware
Doctor of Philosophy, Linguistics, GPA: 3.77/4.00
Newark, Delaware, United States
Advisors: Prof. Arild Hestvik & Jeffrey Heinz

Sep 2014 – May 2016

University of Delaware
Master of Arts, Linguistics and Cognitive Science, GPA: 3.71/4.00
Newark, Delaware, United States
Advisor: Prof. Arild Hestvik

Sep 2011 – Aug 2014

Middle East Technical University
Master of Science, Cognitive Science, GPA: 3.61/4.00
Ankara, Turkey
Advisors: Prof. Cem Bozsahin & Deniz Zeyrek

Sep 2007 – Jun 2011

Hacettepe University
Bachelor of Arts, Linguistics, GPA: 3.52/4.00
Ankara, Turkey

Research Experience

Summer 2018

Part-time internship at Cognitive Neurophysiology and Neuropsychology Lab, at Moss Rehabilitation Research Institute (MRRI), working in a joint project of Dr. Edward Wlotko and Dr. Erika Middleton.

Jan 2015 – present

Ph.D. Student, Lab Manager at Experimental Psycholinguistics Lab, University of Delaware, Department of Linguistics and Cognitive Science, Newark, Delaware, United States

Sep 2013 – Aug 2014

Master's Student, Project Assistant at METU Baby Lab, Middle East Technical University, Department of Cognitive Science, Ankara, Turkey

Skills & Activities

Skills

Language, Speech, Infants, Language Acquisition, Machine Learning, Word Learning, Phonology, EEG/ERP, Syntax, Cognitive Neuroscience, Event-Related Potentials, Electroencephalography, fMRI, fNIRS.

August 1, 2018

<i>Computer Skills</i>	<i>OS</i>	Linux, Windows
	<i>Other</i>	SPSS, Statistica, NetStation, EEGLab, E-Prime, Weka, foma, xfst, chainer, FSL, SPM, Psychopy, Matlab
<i>Languages</i>		English, Turkish
<i>Scientific Memberships</i>		Society for the Neurobiology of Language (2016-Present) Linguistic Society of America (2017-Present) Psychonomic Society (2018-Present)

Trainings

<i>Summer 2017</i>	EGI Summer School 2017: Core dEEG Skills, July 24–28, EGI Headquarters, Eugene, Oregon, USA
<i>Summer 2017</i>	Foundations of Advanced dEEG Analysis Techniques: July 31–August 2, Valley River Inn, Eugene, OR USA
<i>Summer 2016</i>	Statistical Teaching and Analytic Research Training (START) Workshop at University of Warsaw

Fellowships & Awards

<i>July 2018 – July 2019</i>	University of Delaware Dissertation Fellowship
<i>Dec 2016 – Aug 2019</i>	University of Delaware 100% Tuition Fellowship
<i>Summer 2017</i>	Summer Research Grant, awarded from the Department of Linguistics and Cognitive Science, University of Delaware
<i>Summer 2017</i>	Summer Doctoral Fellowship Award, awarded from the Office of Graduate and Professional Education, University of Delaware
<i>Aug 2014 – Dec 2016</i>	Turkish Land Forces 100% Tuition Fellowship

Teaching Experiences

<i>Spring 2018</i>	Teaching Assistant, PSYC209, Department of Psychological and Brain Sciences, University of Delaware, Newark, DE, USA
<i>Winter 2018</i>	Instructor, LING/CGSC 102, Department of Linguistics and Cognitive Sciences, University of Delaware, Newark, DE, USA
<i>Fall 2017</i>	Teaching Assistant, PSYC370, Department of Psychological and Brain Sciences, University of Delaware, Newark, DE, USA
<i>Spring 2017</i>	Co-instructor, LING/CGSC 102, Department of Linguistics and Cognitive Sciences, University of Delaware, Newark, DE, USA
<i>2013 Spring – 2014 Spring</i>	Instructor, ING 101, Department of Foreign Languages, Turkish Military Academy, Ankara, TURKEY

Work Experiences

<i>Aug 2012 – May 2017</i>	Research Assistant First Lieutenant, Turkish Military Academy, Ankara, TURKEY
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Services

<i>Fall 2016 – present</i>	Organizer, Experimental Group Meeting, Department of Linguistics and Cognitive Sciences, University of Delaware, Newark, DE, USA
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Journal Publications

Avcu, E. (2014) A Cross-Sectional Design to Test When and in Which Order the Acquisition of Morphologically Complex Verbal Forms Occur in Turkish. *Science Journal of Turkish Military Academy*, 24(1):1–19, 2014.

Book Chapters

Annette Hohenberger, Asli Altan, Utku Kaya, Özgün Köksal Tuncer, Enes Avcu: *Sensitivity of Turkish infants to vowel harmony: Preference shift from familiarity to novelty*. The Acquisition of Turkish in Childhood, 11/2016 pp.29-56. DOI: 10.1075/tilar.20.02hon.

Proceedings

Avcu, E. (2018). Experimental Investigation of the Subregular Hypothesis. In Proceedings of the 35th West Coast Conference on Formal Linguistics, ed. Wm. G. Bennett et al., 77-86. Somerville, MA: Cascadilla Proceedings Project. www.lingref.com, document #3377.

Avcu, E., Shibata, C., Heinz, J. (2017). Subregular Complexity and Deep Learning. In Proceedings of the Conference on Logic and Machine Learning in Natural Language (LaML), ed. Simon Dobnik and Shalom Lappin, volume 1, 20-34. Gothenburg, Sweden. CLASP Papers in Computational Linguistics. <https://gupea.ub.gu.se/handle/2077/54911>.

Thesis

Nouns-First, Verbs-First, and Computationally-Easier First a Preliminary Design to Test the Order of Acquisition. 08/2014, Degree: M.Sc., Supervisor: Cem Bozsahin (Middle East Technical University).

Invited Talks

October 2017 Evolution of Neural Networks. Presented at the MathLing group meeting at the Stony Brook University.

Conference Presentations

2018 **Enes Avcu**, Chao Han, Ryan Rhodes and Arild Hestvik. Neurophysiological Signature of Phonotactic Rule-Learning. Poster presentation at the 59th Psychonomic Society Annual Meeting in New Orleans, Louisiana, November 2018.

2018 **Enes Avcu** and Ryan Rhodes. Neural Underpinnings of Phonotactic Rule Learning. Poster presentation at the Annual Meeting on Phonology (AMP 2018) at the University of California, San Diego, October 2018.

2018 **Enes Avcu**, Ryan Rhodes, Chao Han and Arild Hestvik. Neural Underpinnings of Phonotactic Rule Learning. Poster presentation at the 49th Annual Meeting of the North East Linguistic Society at Cornell University, October 2018.

2018 **Enes Avcu** and Ryan Rhodes. Phonotactic Rule-Learning Without Semantics: An EEG study. Poster presentation at the Tenth Annual Meeting of the Society for the Neurobiology of Language at Québec City, August 2018.

2018 **Enes Avcu**. ERP Signature of Phonological Learnability. Poster presentation at the 8th ANNUAL UNIVERSITY OF DELAWARE Graduate Students' Forum, at University of Delaware, April 2018.

2017 **Enes Avcu**, Chihiro Shibata and Jeffrey Heinz. Subregular Complexity and Deep Learning. Talk at the Workshop on Learning and Automata (LearnAUT) at Reykjavik University, Iceland, June 2017.

2017 **Enes Avcu**, Chihiro Shibata and Jeffrey Heinz. Subregular Complexity and Deep Learning. Talk at the Conference on Logic and Machine Learning in Natural Language (LaML) at University of Gothenburg, Sweden, June 2017.

- 2017 **Enes Avcu**. Experimental Investigation of Subregular Hypothesis. Talk at the 35th West Coast Conference on Formal Linguistics at Calgary, Alberta Canada, April 2017.
- 2017 **Enes Avcu**. Experimental Investigation of Subregular Hypothesis. Talk at the 41st Annual Penn Linguistics Conference at University of Pennsylvania, March 2017.
- 2014 Annette Hohenberger, Aslı Altan, Utku Kaya, Özgün Köksal Tuncer and **Enes Avcu**. Early sensitivity of 6- and 10-month-old monolingual Turkish infants to vowel harmony. Poster presentation the 13th International Congress for the Study of Child Language, (IASCL 2014), Amsterdam, NL, July 2014.
- 2014 Annette Hohenberger, Aslı Altan, Utku Kaya, Özgün Köksal Tuncer and **Enes Avcu**. Early sensitivity of Turkish infants to vowel harmony in stem-suffix sequences: impact of computational complexity. Poster presentation at 1st International Symposium on Brain and Cognitive Science, ISBCS'14, Boğaziçi University, İstanbul, April 2014.
- 2014 **Enes Avcu**, Cem Bozsahin and Deniz Zeyrek. Nouns-First, Verbs-First, and Computationally-Easier First a Preliminary Design to Test the Order of Acquisition. Poster presentation at 1st International Symposium on Brain and Cognitive Science, ISBCS'14, Boğaziçi University, İstanbul, April 2014.
- 2013 Aslı Altan, Utku Kaya, Özgün Köksal Tuncer, **Enes Avcu** and Annette Hohenberger. 6 ve 10 aylık bebeklerin kök ek dizilişlerinde Türkçedeki ünlü uyumuna duyarlılığı. Talk at the 27. National Linguistics Assembly at Hacettepe University, May 2013.
- 2013 Tolga Kayadelen and **Enes Avcu**. A Machine Learning Approach to Turkish Texts' Co-Referential Property. Talk at the 27. National Linguistics Assembly, at Hacettepe University, May 2013.
- 2011 **Enes Avcu**. Nouns-First, Verbs-First, and Computationally-Easier First: A Preliminary Design to Test the Order of Acquisition. Talk at Language Acquisition Days, at Middle East Technical University, November 2011.
- 2011 **Enes Avcu**. Acquisition of Complex Tenses in Turkish. Talk at the 5. Linguistics Assembly at Hacettepe University, May 2011.