

Evie A. Malaia, Ph.D.

Curriculum Vitae

University of Alabama
145 Speech and Hearing Center
Tuscaloosa, AL 35487

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Academic Appointments

- | | |
|----------------|---|
| 2018 – current | Associate Professor
Department of Communicative Disorders, University of Alabama
Tuscaloosa, AL |
| 2017 – 2018 | Marie Curie Senior Fellow in Cognitive Neuroscience
Institute for Advanced Studies, Albert-Ludwigs-Universität Freiburg
Freiburg im Breisgau, Germany |
| 2015 – 2016 | EURIAS Junior Fellow in Cognitive Neuroscience
Netherlands Institute for Advanced Studies
Wassenaar, the Netherlands |
| 2011 – 2015 | Assistant Professor
Center for Mind, Brain, and Education
University of Texas at Arlington, TX |
| 2010 – 2011 | Assistant Scientist
Department of Psychological and Brain Sciences
Indiana University, IN |
| 2005 – 2010 | Research Scientist
Department of Speech, Language, and Hearing Sciences
Purdue University, IN |

Education and Training

- 2001 - 2005 Ph.D., Linguistics, Purdue University, IN
1996 - 2001 BS/MS, Applied Linguistics, Chuvash State Pedagogical University, Russia

Grants and Awards

Current Research Support

- NSF # 1931861 (1/01/2020 - 12/31/2021)
Title: Collaborative Research: RF Sensing in Sign Language-Driven Smart Environments
Role: co-PI
Total amount: \$366,251
- NSF #1734938 (8/15/2017 – 8/15/2021)
Title: NCS-FO: Neuroimaging to Advance Computer Vision, NLP, and AI
Role: co-PI
Total amount: \$1,000,000

Alabama Life Research Institute pilot grant (8/15/2019 – 7/31/2021)
Title: Brain pathways for perception-to-cognition in ASD
Role: PI
Total amount: \$25,000

Past Research Support

University of Alabama College Academy for Research grant (08/15/19 – 07/31/20)
Title: Training in autism diagnostic observation scale tool
Role: PI
Total amount: \$6,000

Maria Curie COFUND Senior Fellowship (10/1/2017 – 7/31/2018)
Title: Role of visual and linguistic complexity in language development
Total amount: €100,000

Association of Psychological Science (2015-2016)
Title: EEG workshop in Eastern Europe
Role: PI
Total amount: \$5,000

EURIAS Junior Fellowship (10/1/2015 – 7/1/2016)
Title: Development of cross-frequency network analysis technique for EEG data
Total amount: €80,000

NSF #1434973 (7/2/2014 – 8/4/2016)
Title: Collaboration, Advancement and Translation in Mind, Brain and Education
Role: PI
Total amount: \$25,741

ORAU Ralph E. Powe Faculty Enhancement Award (8/1/2013-8/1/2014)
Title: Network analysis of electrophysiological activity in ASD youths
Role: PI
Total amount: \$10,000

UT Arlington Research Enhancement Program Award
Title: Neural processing of visual emotional cues in Children on Autism Spectrum
Role: PI
Total amount: \$10,000

Awards and Honors

- 2018 Excellence in Research Award, Purdue University
- 2015 Award for Teaching and Public Understanding of Psychological Science, APS
- 2015 National Certificate of Merit in Research Advising, NACADA
- 2015 Outstanding Research Advisor Award, University of Texas at Arlington

2013 Article of the Year, College of Education, University of Texas at Arlington

Publications (*indicates student/trainee co-author)

- 2020 Krebs, J., Malaia, E.A., Wilbur, R.B., Roehm, D. (accepted) Psycholinguistic mechanisms of classifier processing in sign language. *Journal of Experimental Psychology: Learning, Memory, and Cognition*
- 2020 Krebs, J., Wilbur, R.B., Roehm, D., Malaia, E.A. (accepted). The relationship between sign language processing, age, and age of sign language acquisition. *International Journal of Behavioral Development*
- 2020 Gurbuz, S., Gurbuz, A., Malaia, E. A., Griffin, D., Crawford, C., *Rahman, M., *Aksu, R., *Kurtoglu, E., *Mdrafy, R., *Anbuselvam A., *Ozcelik, E. A (accepted) American Sign Language Recognition Using RF Sensing. *IEEE Sensors*
- 2020 Malaia, E.A., Krebs, J., Wilbur, R.B., Roehm, D. Age of acquisition effects differ across linguistic domains in sign language: EEG evidence. *Brain and Language*, 200. DOI: 10.1016/j.bandl.2019.104708
- 2020 Krebs, J., Malaia, E., Wilbur, R., Roehm, D. Subjektpräferenz in der Österreichischen Gebärdensprache (ÖGS). *DAS ZEICHEN: Zeitschrift für Sprache und Kultur Gehörloser (The Sign: Journal for language and culture of the Deaf)*, 114; pp. 96-107.
- 2020 Malaia, E.A., Wilbur, R.B. Syllable as a unit of information transfer in linguistic communication: the Entropy Syllable Parsing model. *WIREs Cognitive Science*, 11(1), e1518. <https://doi.org/10.1002/wcs.1518>
- 2020 Malaia, E.A., Ahn, S., Rubchinsky, L. Dysregulation of temporal dynamics of synchronous neural activity in adolescents on autism spectrum. *Autism Research Journal*, 13, 24-31. <https://doi.org/10.1002/aur.2219>
- 2019 Krebs, J., Malaia, E.A., Wilbur, R.B., Roehm, D. Interaction between topic marking and subject preference strategy in sign language processing. *Language, Cognition, and Neuroscience*, <https://doi.org/10.1080/23273798.2019.1667001>
- 2019 Malaia, E. A., Wilbur, R.B. Visual and linguistic components of short-term memory: Generalized Neural Model (GNM) for spoken and sign languages. *Cortex*, 112, 69-79. <https://doi.org/10.1016/j.cortex.2018.05.020>
- 2019 Malaia, E., *Cockerham, D., *Rublein, K. Visual integration of fear and anger emotional cues by children on autism spectrum and neurotypical peers: an EEG study. *Neuropsychologia*, 126,138-146. <https://doi.org/10.1016/j.neuropsychologia.2017.06.014>

- 2018 Blumenthal-Drame, A., Malaia, E. Shared neural and cognitive mechanisms in action and language: The Multi-Scale Information Transfer framework. *WIREs Cognitive Science*, 10(2), e1484. <https://doi.org/10.1002/wcs.1484>
- 2018 Borneman, J. D., Malaia E., Wilbur, R.B., Motion characterization using optical flow and fractal complexity. *Journal of Electronic Imaging*, 27(5), 051229.
- 2018 Krebs, J., Malaia, E., Wilbur, R. B., & Roehm, D. Subject preference emerges as cross-modal strategy for linguistic processing. *Brain Research*, 1691, 105-117.
- 2017 Malaia, E. Methodologies for quantitative analysis of information transfer in sign language and gesture data (commentary). *Behavioral and Brain Sciences*.
- 2017 Malaia, E., Borneman, J.D., Wilbur, R.B. Information transfer capacity of articulators in American Sign Language. *Language and Speech*, 61(1), 97-112.
- 2017 *Cockerham, D., Malaia, E. Neuroscience-supported approaches to teaching students on the autism spectrum. *Zeitschrift fur Psychologie*, Special Issue on Educational Neuroscience, 224 (4), 290-293.
- 2016 Malaia, E., Borneman, J.D., Wilbur, R.B. Assessment of information content in visual signal: analysis of optical flow fractal complexity. *Visual Cognition*, 24(3), 246-251.
- 2016 Malaia, E., *Bates, E., *Seitzman, B., *Coppess, K. Altered brain network dynamics in youths with Autism Spectrum Disorder. *Experimental Brain Research*, 234, 3425–3431.
- 2015 Malaia, E., Newman, S. Neural bases of syntax-semantics interface processing. *Cognitive Neurodynamics*, 9(3), 317-329.
- 2015 Malaia, E., Newman, S. Neural bases of event knowledge and syntax integration in comprehension of complex sentences. *Neurocase*, 21 (6), 753-766.
- 2015 Malaia, E., Tommerdahl, J., *Mckee, F.W. Deductive and heuristic reasoning processing markers in EEG. *Journal of Psycholinguistic Research*, 44 (5), 533-544.
- 2014 Malaia, E., Talavage, T., Wilbur, R.B. Functional connectivity in task-negative network of the Deaf: effects of sign language experience. *PeerJ*, doi: 10.7717/peerj.446.
- 2014 Malaia, E. It Still Isn't Over: Event Boundaries in Language and Perception. *Language and Linguistics Compass*, 8(3), 89-98.
- 2014 Newman, S., Malaia, E., & *Seo, R. Does degree of handedness in a group of right-handed individuals affect language comprehension? *Brain and Cognition*, 86, 98-103.
- 2013 Malaia, E., Wilbur, R.B., *Milković, M. Kinematic parameters of signed verbs at morpho-phonology interface. *Journal of Speech, Language, and Hearing Research*, 56 (5), 1-12.

- 2013 Newman, S., Malaia, E., *Seo, R., Hu, C. The effect of individual differences in working memory capacity on sentence comprehension: an fMRI study. *Brain Topography*, 26(3), 458-67.
- 2012 Malaia, E., *Ranaweera, R., Wilbur, R.B., Talavage, T.M. Event segmentation in a visual language: Neural bases of processing American Sign Language predicates. *Neuroimage*, 59(4), 4094-4101.
- 2012 Malaia, E., Wilbur, R.B., Weber-Fox, C. Down the garden path in EEG: telicity effects on thematic role re-assignment in relative clauses with transitive verbs. *Journal of Psycholinguistic Research*, 41(5), 323-345.
- 2012 Malaia, E., Wilbur, R.B. Motion capture signatures of telic and atelic events in ASL predicates. *Language and Speech*, 55(3), 407-421.
- 2010 Malaia, E., Wilbur, R.B. Early Acquisition of Sign Language: What Neuroimaging Data Tell Us. *Sign Language and Linguistics*, 13(2), 189-193.
- 2010 Malaia, E., Wilbur, R.B. Sign Languages: Contribution to Neurolinguistics from Cross-modal Research (commentary). *Lingua*, 120 (12), 2704-2706.
- 2009 Malaia, E., Wilbur, R., Weber-Fox, C. ERP evidence for telicity effects on syntactic processing in garden-path sentences. *Brain and Language*, 108(3), 145-158.
- 2008 Wilbur, R., Malaia, E. Contributions of Sign Language research to gesture understanding: What can multimodal computational systems learn from Sign Language research. *International Journal of Semantic Computing*, 2(1), 5-20.

Peer-reviewed chapters and conference proceedings (selected)

- 2021 Malaia, E., Milković, M. *Aspect – theoretical and experimental perspectives*. In J. Quer, R. Pfau and A. Herrmann (eds.) *Routledge Handbook of Theoretical and Experimental Sign Language Research*, London, UK: Routledge.
- 2020 Malaia, E., Basu, D. Comparative analysis of interface between aspect and event structure in verbal morphosyntax of Russian and Bangla. Взаимодействие аспекта со смежными категориями: материалы VII Международной Комиссии по аспектологии Международного комитета славистов. (In: *Proceedings of 7th International Conference on Slavic Aspect*). St. Petersburg: Russian State Pedagogical University Press.
- 2020 Gurbuz, S., Gurbuz, A., Malaia, E. A., Griffin, D., Crawford, C., *Rahman, M., *Aksu, R., *Kurtoglu, E., *Mdrafy, R., *Anbuselvam A., *Ozcelik, E. A Linguistic Perspective on Radar Micro-Doppler Analysis of American Sign Language. *Proceedings of 2020 IEEE International Radar Conference*, Washington D.C., April 27 - May 1, 2020 (held online due to COVID-19).

- 2018 Wilbur, R.B., Malaia, E. A new technique for assessing narrative prosodic effects in sign languages. In A. Hübl & M. Steinbach (eds.), *Linguistic Foundations of Narration in Spoken and Sign Languages*, Amsterdam: John Benjamins.
- 2016 McDonald, J., Wolfe, R., Wilbur, R.B., Moncrief, R., Malaia, E., Fujimoto, S. et al. (2016) A new tool to facilitate prosodic analysis of motion capture data and a data-driven technique for the improvement of avatar motion. *Proceedings of Language Resources and Evaluation Conference (LREC)*, pp. 153-159. Portorož, Slovenia.
- 2016 Malaia, E., Egorova, E., *Hinesley, V. Developmental Characteristics of Gifted Children: Educational Approaches. In J. Horvath, J. Lodge, and J. Hattie (eds.) *From the Laboratory to the Classroom: Translating the Science of Learning for Teachers*, pp. 215-228. Routledge, UK.
- 2014 Malaia, E., Wilbur, R.B. Enhancement of spatial processing in sign language users. In D. R. Montello, K. E. Grossner, and D. G. Janelle (eds.), *Space in Mind: Concepts and Ontologies for Spatial Thinking*, pp. 159-171, MIT press.
- 2014 *Barbu, A., Barrett, D., Chen, W., *Siddarth, N., Xiong, C., Corso, J., Fellbaum, C., Hanson, C., Hanson, S., Helie, S., Malaia, E., Pearlmutter, B., Siskind, J., Talavage, T., Wilbur, R. (2014). Seeing is Worse than Believing: Reading People's Minds Better than Computer-Vision Methods Recognize Actions. In D. Fleet et al. (eds.) *European Conference on Computer Vision 2014, Lecture Notes in Computer Science*, pp. 612–627. Springer: Lausanne.
- 2014 Malaia, E., Gonzalez-Castillo, J., Weber-Fox, C., Talavage, T.M., Wilbur, R.B. Neural processing of verbal event structure: temporal and functional dissociation between telic and atelic verbs. In: Mandouilidou, C., de Ameida, R. (eds.) *Cognitive Science Perspectives on Verb Representation and Processing*, pp. 131 - 140. Springer: Lausanne.
- 2013 Malaia, E., Wilbur, R.B., Weber-Fox, C. Event end-point primes the Undergoer argument: a look at neurobiological bases of event structure. In Gehrke, B., Arsenijevic, B. (eds.) *Subatomic semantics of event predicates*, pp. 231-248. Springer: *Studies in Linguistics and Philosophy*.
- 2013 Newman, S. D., Malaia, E. The neural bases of intelligence: a perspective based on functional neuroimaging. In Plucker, J.A. & C. Callahan (eds.) *Critical Issues and Practices in Gifted Education: What the Research Says*, pp. 451-464. Prufrock Press.
- 2012 Malaia, E., Wilbur, R.B. Telicity expression in visual modality. In McNally, L. & Delmonte, V. (eds.) *Telicity, change, and state: A cross-categorical view of event structure*, pp. 122-136. Oxford: Oxford University Press.
- 2012 Malaia, E., Wilbur, R.B. What Sign Languages show: neurobiological bases of visual

phonology. Di Sciullo, A.M. (ed.) Towards a biolinguistic understanding of grammar: essays on interfaces, pp. 265-275. John Benjamins Publishing.

Recent Conference Presentations

Costo, M., Malaia, E. A., Cook, C., Barber, A. (November 2020). *Social Component of Project ImPACT Intervention for Slow Responders*. Accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled due to COVID-19).

Krebs, J., Wilbur, R.B., Malaia, E.A. (September 2020). Sign language variation in event structure encoding: an analysis from Austrian Sign Language. Oral presentation at Events and Event Structure at the Limits of Grammar Workshop, Oxford, UK (held online due to COVID-19)

Rivera, B., Soylu, F., Malaia, E. (June 2020). Neural Bases of Information Transfer in Autism Spectrum Disorder. *Mathematical Cognition and Learning Society meeting*, Dublin, Ireland (held online due to COVID-19)

Rivera, B., Soylu, F., Malaia, E. (April 2020). Neural Bases of Information Transfer in Autism Spectrum Disorder: A Pilot Study. Southeastern Universities Graduate Research Symposium, University of Alabama, Tuscaloosa, AL (held online due to COVID-19)

Gurbuz, S., Gurbuz, A., Malaia, E. A., Griffin, D., Crawford, C., *Rahman, M., *Aksu, R., *Kurtoglu, E., *Mdrafy, R., *Anbuselvam A., *Ozcelik, E. A (April 2020) Linguistic Perspective on Radar Micro-Doppler Analysis of American Sign Language. *RADAR 2020 conference*. Washington, DC (held online due to COVID-19)

Malaia, E.A., Ahn, S., Rubchinsky, L. (November 2019). Oral presentation, Dysregulation of Temporal Dynamics of Neural Activity in Adolescents on Autism Spectrum. *ASHA Convention*, Orlando, FL

Gurbuz, S., Malaia, E., Crawford, C., Griffin, D., Gurbuz, A. (November 2019). RF Sensing for Sign Language Driven Smart Environments. NSF Cyber-Physical Systems Principal Investigators' Meeting; Arlington, VA

Malaia, E., Ikuta, T., Wilbur, R.B. (November 2019). Voxelwise Connectivity of Right Hemisphere BA44-STG in American Sign Language Users. Poster, *ASHA Convention*, Orlando, FL

Ikuta, T., Wilbur, R., Malaia, E. (October 2019). Functional connectivity of the right pars opercularis in American Sign Language. *Society for Neuroscience conference*, Chicago, IL

Malaia, E., Ikuta, T., Wilbur, R. (October 2019). Neurofunctional architecture underlying syntactic processing in American Sign Language. *International Brain and Syntax Think Tank*, Northwestern University, IL.

Malaia, E., Borneman, J., Krebs, J., Roehm, D., Wilbur, R. (September 2019). Cortical entrainment to visual entropy underlies sign language comprehension. *Theoretical Issues in Sign Language Research 13 (TISLR 13)*, Hamburg, Germany

Krebs, J., Wilbur, R.B., Malaia, E.A, Strutzenberger, G., Schwameder, H. & Roehm, D. (September 2019). Event visibility in sign language motion: Evidence from ÖGS. *Theoretical Issues in Sign Language Research 13 (TISLR 13)*, Hamburg, Germany

Malaia, E.A., Krebs, J., Borneman, J.D., Roehm, D. (June 2019). Visual cues for predictive entrainment in sign language. *Psycholinguistics in Iceland: Parsing and Prediction (PIPPs '19)*, Reykjavik, Iceland

*Harper, K., Malaia, E., Cook, C., Barber, A. (May, 2019). Is Play Related to Spoken Language Development: Preliminary Evidence from Project ImPACT intervention. *International Society for Autism Research (INSAR) Conference*, Montreal, Canada.

Malaia, E., Ahn, S., Rubchinsky, L. (May, 2019). Dysregulation of temporal dynamics of neural activity in adolescents on autism spectrum. *International Society for Autism Research (INSAR) Conference*, Montreal, Canada.

Siskind, J, Wilbur, R.B., Malaia, E. (April 2019). Spatial, temporal, and spatiotemporal activation maps from EEG. Poster presented at 5th annual Brain Initiative Investigators' Meeting, Washington, DC

Malaia, E. (March, 2019). Cross-modal transfer: visual perception yields linguistic metaphors. Creative power of Metaphor conference, Oxford, UK

*Krebs, J. Malaia, E., Roehm, D. (June 2018) Age of sign language acquisition affects processing of word order: EEG evidence. Poster presented at Formal and Experimental Advances in Sign language Theory (FEAST), Venice, Italy

Siskind, J, Wilbur, R.B., Malaia, E. (April 2018) Neuroimaging to advance computer vision, NLP, and AI. Poster presented at 4th annual Brain Initiative Investigators' Meeting, Bethesda, MD

Malaia, E. (April 2018) Interaction of language comprehension and working memory: Cross-sectional analysis. Talk presented at Language Comprehension Across the Lifespan workshop, Freiburg, Germany

Malaia, E., Borneman, J. D., Wilbur, R.B. (June 2017) Information transfer analysis in optical flow data. Poster presented at the Brain Dynamics on Multiple Scales - Paradigms, their Relations, and Integrated Approaches workshop, Max Planck, Institute for the Physics of Complex Systems, Dresden, Germany

Malaia, E., Borneman, J.D., Wilbur., R.B. (June 2016) Information-carrying capacity of sign language measured by fractal complexity of motion. Languages as Mechanisms for Interaction: Explorations and Repercussions, Ghent University, Belgium.

McDonald, Wolfe, Wilbur, R.B., Moncrief, Malaia, E., Fujimoto et al. (May 2016) A new tool to facilitate prosodic analysis of motion capture data and a data-driven technique for the improvement of avatar motion. Language Resources and Evaluation Conference, Portorož, Slovenia.

Malaia, E., Borneman, J.D., Wilbur., R.B. (April 2016) Bioinformatic properties of sign language motion as indicated by fractal complexity of optical flow. International Neuroscience Winter Conference. Sölden, Austria

Malaia, E. (October 2015) Binding during garden-path recovery. Experimental Psycholinguistics Conference, Madrid, Spain

Malaia, E., Borneman, J.D., Wilbur., R.B. (May 2015). How does a language-ready brain recognize language? Information transfer in sign language as measured by fractal complexity of motion. Functional and Experimental Approaches to Sign Language Theory (FEAST), Barcelona, Spain

Malaia, E. (October 2014). The tradeoffs in generalized vs. specific memory resources for spatial and linguistic processing. International Mind, Brain, and Education conference, Fort Worth, TX

Malaia, E. Borneman, J., Wilbur, R.B. (June 2014). Bioinformatic properties of sign language motion as indicated by fractal complexity of optical flow. Talk at 79th CSHL symposium on Quantitative Biology: Cognition. Cold Spring Harbor, NY

Malaia, E., *Bates, E., *Coppers, J., *Seitzman, B. (April 2014) Network dynamics in EEG of youths with Autism Spectrum Disorder. 16th Poster presented at International Neuroscience Winter Conference. Sölden, Austria

Malaia, E. (May 2014). Event representation and processing in sign language users cross-linguistically. Talk presented at 26th meeting of Association for Psychological Science, San Francisco, CA

*Seitzman, B., *Bates, E., *Coppers, J., *Poelhios, J., Malaia, E. (November 2013). EEG time series analysis and functional connectivity network measures of typically developing and autism spectrum disorder youths. Poster presented at Cell symposia: the Networked Brain. San Diego, CA

Malaia, E., Borneman, J., Wilbur, R.B. (July 2013) Bioinformatic properties of sign language motion: fractal complexity of optical flow. Talk presented at at Workshop on Advances in Biolinguistics, 19th International Congress of Linguists, Geneva, Switzerland

Malaia, E., Wilbur, R.B. (June 2013) Functional connectivity for visual language processing. Poster at Theoretical Issues in Sign Language Research-11, University College London, London, UK

Invited and Keynote Talks

September 2019 Keynote, Interactive workshop on measuring language complexity
Freiburg Institute for Advanced Studies, Freiburg, Germany
March 2019 Worcester College, Oxford University, UK
May 2018 Department of Cognitive Science, Albert-Ludwigs-Universität Freiburg
April 2018 Freiburg Institute for Advanced Studies, Germany
September 2017 Department of Linguistics (ILN), University of Oslo, Norway
July 2017 Centre for Cognitive Neuroscience, University of Salzburg, Austria
June 2017 Department of Linguistics, University of Stuttgart, Germany
April 2017 Department of Psychology, Lancaster University, UK
November 2016 Psychology, Norwegian University of Science and Technology, Norway
December 2015 Department of Psychology, Ashoka University, India
November 2015 Department of Linguistics, University of Amsterdam, the Netherlands
June 2015 Max Planck Institute for Cognitive and Brain Sciences, Leipzig, Germany
June 2015 Linguistics, University of Potsdam, Germany
May 2015 Gallaudet University, Washington, DC
July 2014 Department of Linguistics, Petersburg State University, St. Petersburg, Russia
June 2014 Cold Spring Harbor Symposium on Quantitative Biology: Cognition, NY
December 2011 Cognition and Brain Sciences Unit, University of Cambridge, Cambridge, UK

Service to Profession

Grant proposal panel reviewer

NIH; NSF; US DoD; EU Horizon 2020; European Institutes for Advanced Studies (EurIAS)

Editorial Board

Frontiers in Psychology; Frontiers in Human Neuroscience

Meetings Organizer

International Mind, Brain, and Education conference, 2014; “Event representation and processing”, mini-symposium, APS 2014; “Memory and learning” workshop, International Mind, Brain, and Education conference (IMBES 2014)

Manuscript reviewer

J of Exp Psychology: Learning, Memory and Cognition; Behavioral and Brain Sciences; J of Cognitive Neuroscience; Human Brain Mapping; Neuroimage; Psychonomic Bull & Review; Brain and Language; Cog Neurodynamics; Language, Cognition, and Neuroscience; Autism Research; J of Autism and Developmental Disorders; J of Speech, Language, and Hearing Research; Biologically Inspired Cognitive Architectures; Int’l J of Disability, Development and Education; J of Educational Psychology; Sign Language and Linguistics; Neuropsychologia; Visual Cognition

Conference abstract reviewer: SfN; OHBM; CNS; INSAR; SNL; TISLR; IMBES

Teaching

Functional Neuroanatomy for SLPs, University of Alabama (graduate course)
Research Capstone (course for thesis-planning graduate/undergraduate students)
Child Language Acquisition, University of Alabama (Large-enrollment undergraduate course)
Introduction to Neuroscience: Instructor, University of Texas at Arlington (rated: 4.9/5)
Experimental Language Research: University of Texas at Arlington (rated 4.9/5)

Teaching awards

Award for Teaching and Public Understanding of Psychological Science, Association for Psychological Science (2015); National Certificate of Merit in Research Advising, NACADA (2015); Outstanding Research Advisor Award, 2015 (awarded annually to a single faculty member at University of Texas at Arlington).

Invited Teaching (Summer research-based courses)

Research Experience for Undergraduates (REU) <i>Sensor-based recognition of American Sign Language</i> College of Engineering, University of Alabama, AL	2019-21
<i>Neurolinguistics</i> (short course) Centre for Cognitive Neuroscience (CCNS), University of Salzburg, Austria	2017
Erasmus Mundus Masters Program in Clinical Linguistics <i>Neurolinguistics</i> (short course) University of Potsdam, Germany	2015
NY-St. Petersburg Institute for Linguistics, Cognition and Culture <i>Experimental Neurolinguistics</i> St. Petersburg, Russia	2014/15
Research Experience for Undergraduates (REU) <i>Computational neuroscience</i> Department of Mathematics, Indiana University, Bloomington	2013

University Service

Center for Innovative Research in Autism (CIRA), affiliated faculty (2020 – present)
Promotion and Tenure Committee, Department of Communicative Disorders, UA (2018-present)
Graduate Admissions Committee, Department of Communicative Disorders, UA (2018-present)
Student Advising, Department of Communicative Disorders, UA (2018 - present)
Autism Research Cluster, affiliated faculty (2018-20)
Brain Initiative/fMRI planning committee (2018-19)
Research and Analytics Support Services Initiative, affiliated faculty , UA (2018-19)
Research Advancement committee, College of Education, UT Arlington (2013-14)
Graduate Curriculum Committee, Center for Mind, Brain, Education; UT Arlington (2011-15)